

## **Historical Trends in Ozone Season Heat Input Data**

Purpose: The purpose of this analysis is to determine the extent and frequency of periods showing a decline in Ozone season heat input data.

Background: Several commenters to the SIP Call NODA suggested that methodology EPA used to derive the 2007 ozone season heat inputs was flawed because some states were already above their projected 2007 levels.

Procedure: EPA examined ozone season heat input data covering the period 1970 to 1998. We obtained the data from the Department of Energy's Energy Information Administration (EIA) monthly report databases for the electric utility industry. Specifically, we wanted to see how often and over what time periods declines in ozone season heat input levels occurred. We looked at 10 different time intervals ranging from 1 year to 10 years, and calculated the percentage change in annual heat input over each time period using the heat input values at the beginning and end of the time interval. We also identified for each of the time intervals the specific time period (years) yielding the largest decline in annual heat input.

Since the Department of Energy does not tabulate nor compile heat input data by ozone season, we estimated ozone season heat inputs from monthly fuel consumption data in the EIA databases. The EIA databases contained monthly fuel consumption data by fuel type. We used as a simplifying assumption a constant heating value for each fossil fuel type; and then converted the fuel consumed over the ozone season into heat input by multiplying the fuel consumed, converted to consistent quantity units, by the assigned heating value.

We recognize that the heating value of fuels used by electric utility facilities change over time and also from state to state, but we believe that by using constant heating values the general trends in the ozone data are preserved and correlate with the trends we found in the annual heat input data.

Results: All states show a number of time periods where their ozone season heat inputs declined. Most states showed declines over multiple time intervals and within any time interval nearly all the states had multiple periods of declines. The magnitudes of the heat input declines ranged from about zero (flat heat growth) to as high as 93%.

### Ozone Season Heat Input

ALABAMA			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	199.8	1.000											
1971	195.2	0.977	-2.3%										
1972	209.1	1.047	7.1%	4.7%									
1973	235.8	1.180	12.8%	20.8%	18.0%								
1974	229.6	1.149	-2.6%	9.8%	17.6%	14.9%							
1975	228.9	1.146	-0.3%	-2.9%	9.5%	17.3%	14.6%						
1976	210.8	1.055	-7.9%	-8.2%	-10.6%	0.8%	8.0%	5.5%					
1977	238.6	1.194	13.2%	4.2%	3.9%	1.2%	14.1%	22.2%	19.4%				
1978	215.2	1.077	-9.8%	2.1%	-6.0%	-6.3%	-8.7%	2.9%	10.2%	7.7%			
1979	231.6	1.159	7.6%	-2.9%	9.9%	1.2%	0.9%	-1.8%	10.8%	18.6%	15.9%		
1980	237.1	1.187	2.4%	10.2%	-0.6%	12.5%	3.6%	3.3%	0.6%	13.4%	21.5%	18.7%	
1981	230.7	1.155	-2.7%	-0.4%	7.2%	-3.3%	9.4%	0.8%	0.5%	-2.2%	10.3%	18.2%	
1982	189.8	0.950	-17.7%	-19.9%	-18.0%	-11.8%	-20.5%	-10.0%	-17.1%	-17.3%	-19.5%	-9.2%	
1984	202.1	1.012	6.5%	-12.4%	-14.8%	-12.7%	-6.1%	-15.3%	-4.1%	-11.7%	-12.0%	-14.3%	
1985	272.5	1.364	34.8%	43.6%	18.1%	14.9%	17.7%	26.6%	14.2%	29.3%	19.0%	18.7%	
1986	262.9	1.316	-3.5%	30.1%	38.5%	14.0%	10.9%	13.5%	22.2%	10.2%	24.7%	14.9%	
1987	265.0	1.326	0.8%	-2.8%	31.1%	39.6%	14.9%	11.8%	14.4%	23.1%	11.1%	25.7%	
1988	253.6	1.269	-4.3%	-3.5%	-6.9%	25.5%	33.6%	9.9%	7.0%	9.5%	17.8%	6.3%	
1989	265.0	1.326	4.5%	0.0%	0.8%	-2.8%	31.1%	39.6%	14.9%	11.8%	14.4%	23.1%	
1990	289.3	1.448	9.2%	14.1%	9.2%	10.0%	6.2%	43.1%	52.4%	25.4%	22.0%	24.9%	
1991	302.8	1.516	4.7%	14.3%	19.4%	14.3%	15.2%	11.1%	49.8%	59.5%	31.3%	27.7%	
1992	317.9	1.591	5.0%	9.9%	20.0%	25.4%	20.0%	20.9%	16.7%	57.3%	67.5%	37.8%	
1993	349.5	1.749	9.9%	15.4%	20.8%	31.9%	37.8%	31.9%	32.9%	28.3%	72.9%	84.1%	
1994	315.4	1.579	-9.8%	-0.8%	4.2%	9.0%	19.0%	24.4%	19.0%	20.0%	15.7%	56.1%	
1995	368.2	1.843	16.7%	5.4%	15.8%	21.6%	27.3%	38.9%	45.2%	38.9%	40.1%	35.1%	
1996	376.5	1.884	2.3%	19.4%	7.7%	18.4%	24.3%	30.1%	42.1%	48.5%	42.1%	43.2%	
1997	371.7	1.860	-1.3%	1.0%	17.9%	6.4%	16.9%	22.8%	28.5%	40.3%	46.6%	40.3%	
1998	406.5	2.035	9.4%	8.0%	10.4%	28.9%	16.3%	27.9%	34.2%	40.5%	53.4%	60.3%	
			Max	34.8%	43.6%	38.5%	39.6%	37.8%	43.1%	52.4%	59.5%	72.9%	84.1%

### Ozone Season Heat Input

ALABAMA			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	199.8	1.000											
1971	195.2	0.977	0										
1972	209.1	1.047	0	0									
1973	235.8	1.180	0	0	0								
1974	229.6	1.149	0	0	0	0							
1975	228.9	1.146	0	0	0	0	0						
1976	210.8	1.055	0	0	0	0	0	0					
1977	238.6	1.194	0	0	0	0	0	0	0				
1978	215.2	1.077	0	0	0	0	0	0	0	0			
1979	231.6	1.159	0	0	0	0	0	0	0	0	0		
1980	237.1	1.187	0	0	0	0	0	0	0	0	0	0	
1981	230.7	1.155	0	0	0	0	0	0	0	0	0	0	
1982	189.8	0.950	1981 - 1982	1980 - 1982	1979 - 1982	0	1977 - 1982	0	1975 - 1982	1974 - 1982	1973 - 1982	0	
1984	202.1	1.012	0	0	0	1980 - 1984	0	1978 - 1984	0	0	0	1974 - 1984	
1985	272.5	1.364	0	0	0	0	0	0	0	0	0	0	
1986	262.9	1.316	0	0	0	0	0	0	0	0	0	0	
1987	265.0	1.326	0	0	0	0	0	0	0	0	0	0	
1988	253.6	1.269	0	0	0	0	0	0	0	0	0	0	
1989	265.0	1.326	0	0	0	0	0	0	0	0	0	0	
1990	289.3	1.448	0	0	0	0	0	0	0	0	0	0	
1991	302.8	1.516	0	0	0	0	0	0	0	0	0	0	
1992	317.9	1.591	0	0	0	0	0	0	0	0	0	0	
1993	349.5	1.749	0	0	0	0	0	0	0	0	0	0	
1994	315.4	1.579	0	0	0	0	0	0	0	0	0	0	
1995	368.2	1.843	0	0	0	0	0	0	0	0	0	0	
1996	376.5	1.884	0	0	0	0	0	0	0	0	0	0	
1997	371.7	1.860	0	0	0	0	0	0	0	0	0	0	
1998	406.5	2.035	0	0	0	0	0	0	0	0	0	0	
			Min	-17.7%	-19.9%	-18.0%	-12.7%	-20.5%	-15.3%	-17.1%	-17.3%	-19.5%	-14.3%

### Ozone Season Heat Input

ALABAMA			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	199.8	1.000										
1971	195.2	0.977	1970 - 1971									
1972	209.1	1.047	0	0								
1973	235.8	1.180	0	0	0							
1974	229.6	1.149	1973 - 1974	0	0	0						
1975	228.9	1.146	1974 - 1975	1973 - 1975	0	0	0					
1976	210.8	1.055	1975 - 1976	1974 - 1976	1973 - 1976	0	0	0				
1977	238.6	1.194	0	0	0	0	0	0	0			
1978	215.2	1.077	1977 - 1978	0	1975 - 1978	1974 - 1978	1973 - 1978	0	0	0		
1979	231.6	1.159	0	1977 - 1979	0	0	0	1973 - 1979	0	0	0	
1980	237.1	1.187	0	0	1977 - 1980	0	0	0	0	0	0	0
1981	230.7	1.155	1980 - 1981	1979 - 1981	0	1977 - 1981	0	0	0	1973 - 1981	0	0
1982	189.8	0.950	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	1975 - 1982	1974 - 1982	1973 - 1982	1972 - 1982
1984	202.1	1.012	0	1982 - 1984	1981 - 1984	1980 - 1984	1979 - 1984	1978 - 1984	1977 - 1984	1976 - 1984	1975 - 1984	1974 - 1984
1985	272.5	1.364	0	0	0	0	0	0	0	0	0	0
1986	262.9	1.316	1985 - 1986	0	0	0	0	0	0	0	0	0
1987	265.0	1.326	0	1985 - 1987	0	0	0	0	0	0	0	0
1988	253.6	1.269	1987 - 1988	1986 - 1988	1985 - 1988	0	0	0	0	0	0	0
1989	265.0	1.326	0	1987 - 1989	0	1985 - 1989	0	0	0	0	0	0
1990	289.3	1.448	0	0	0	0	0	0	0	0	0	0
1991	302.8	1.516	0	0	0	0	0	0	0	0	0	0
1992	317.9	1.591	0	0	0	0	0	0	0	0	0	0
1993	349.5	1.749	0	0	0	0	0	0	0	0	0	0
1994	315.4	1.579	1993 - 1994	1992 - 1994	0	0	0	0	0	0	0	0
1995	368.2	1.843	0	0	0	0	0	0	0	0	0	0
1996	376.5	1.884	0	0	0	0	0	0	0	0	0	0
1997	371.7	1.860	1996 - 1997	0	0	0	0	0	0	0	0	0
1998	406.5	2.035	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

CONNECTICUT			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	72.1	1.000											
1971	65.7	0.911	-8.9%										
1972	66.6	0.924	1.4%	-7.6%									
1973	71.0	0.985	6.6%	8.1%	-1.5%								
1974	65.6	0.910	-7.6%	-1.5%	-0.2%	-9.0%							
1975	52.9	0.734	-19.4%	-25.5%	-20.6%	-19.5%	-26.6%						
1976	39.3	0.545	-25.7%	-40.1%	-44.6%	-41.0%	-40.2%	-45.5%					
1977	42.6	0.591	8.4%	-19.5%	-35.1%	-40.0%	-36.0%	-35.2%	-40.9%				
1978	44.3	0.614	4.0%	12.7%	-16.3%	-32.5%	-37.6%	-33.5%	-32.6%	-38.6%			
1979	43.6	0.605	-1.6%	2.3%	10.9%	-17.6%	-33.5%	-38.6%	-34.5%	-33.6%	-39.5%		
1980	49.6	0.688	13.8%	12.0%	16.4%	26.2%	-6.2%	-24.4%	-30.1%	-25.5%	-24.5%	-31.2%	
1981	43.0	0.596	-13.3%	-1.4%	-2.9%	0.9%	9.4%	-18.7%	-34.5%	-39.4%	-35.4%	-34.6%	
1982	37.6	0.521	-12.6%	-24.2%	-13.8%	-15.1%	-11.7%	-4.3%	-28.9%	-42.7%	-47.0%	-43.5%	
1984	56.8	0.788	51.1%	32.1%	14.5%	30.3%	28.2%	33.3%	44.5%	7.4%	-13.4%	-20.0%	
1985	47.2	0.655	-16.9%	25.5%	9.8%	-4.8%	8.3%	6.5%	10.8%	20.1%	-10.8%	-28.0%	
1986	52.0	0.721	10.2%	-8.5%	38.3%	20.9%	4.8%	19.3%	17.4%	22.1%	32.3%	-1.7%	
1987	51.0	0.707	-1.9%	8.1%	-10.2%	35.6%	18.6%	2.8%	17.0%	15.1%	19.7%	29.8%	
1988	51.2	0.710	0.4%	-1.5%	8.5%	-9.9%	36.2%	19.1%	3.2%	17.4%	15.6%	20.2%	
1989	49.3	0.684	-3.7%	-3.3%	-5.2%	4.4%	-13.2%	31.1%	14.7%	-0.6%	13.1%	11.3%	
1990	50.3	0.698	2.0%	-1.8%	-1.4%	-3.3%	6.6%	-11.4%	33.8%	17.0%	1.4%	15.4%	
1991	49.0	0.680	-2.6%	-0.6%	-4.3%	-3.9%	-5.8%	3.8%	-13.7%	30.3%	14.0%	-1.2%	
1992	22.1	0.307	-54.9%	-56.1%	-55.2%	-56.8%	-56.7%	-57.5%	-53.2%	-61.1%	-41.2%	-48.6%	
1993	29.7	0.412	34.4%	-39.4%	-41.0%	-39.8%	-42.0%	-41.8%	-42.9%	-37.1%	-47.7%	-21.0%	
1994	28.9	0.401	-2.7%	30.8%	-41.0%	-42.5%	-41.4%	-43.6%	-43.3%	-44.4%	-38.8%	-49.1%	
1995	37.2	0.516	28.7%	25.3%	68.3%	-24.1%	-26.0%	-24.5%	-27.3%	-27.1%	-28.5%	-21.2%	
1996	45.4	0.630	22.0%	57.1%	52.9%	105.4%	-7.3%	-9.7%	-7.9%	-11.3%	-11.0%	-12.7%	
1997	57.1	0.792	25.8%	53.5%	97.6%	92.3%	158.4%	16.5%	13.5%	15.8%	11.5%	12.0%	
1998	51.0	0.707	-10.7%	12.3%	37.1%	76.5%	71.7%	130.8%	4.1%	1.4%	3.4%	-0.4%	
			Max	51.1%	57.1%	97.6%	105.4%	158.4%	130.8%	44.5%	30.3%	32.3%	29.8%

### Ozone Season Heat Input

CONNECTICUT			Period of Maximum Decline									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	72.1	1.000										
1971	65.7	0.911	0									
1972	66.6	0.924	0	0								
1973	71.0	0.985	0	0	0							
1974	65.6	0.910	0	0	0	0						
1975	52.9	0.734	0	0	0	0	0					
1976	39.3	0.545	0	0	0	0	0	0				
1977	42.6	0.591	0	0	0	0	0	0	0			
1978	44.3	0.614	0	0	0	0	0	0	0	0		
1979	43.6	0.605	0	0	0	0	0	0	0	0	0	
1980	49.6	0.688	0	0	0	0	0	0	0	0	0	0
1981	43.0	0.596	0	0	0	0	0	0	0	0	0	0
1982	37.6	0.521	0	0	0	0	0	0	0	0	0	0
1984	56.8	0.788	0	0	0	0	0	0	0	0	0	0
1985	47.2	0.655	0	0	0	0	0	0	0	0	0	0
1986	52.0	0.721	0	0	0	0	0	0	0	0	0	0
1987	51.0	0.707	0	0	0	0	0	0	0	0	0	0
1988	51.2	0.710	0	0	0	0	0	0	0	0	0	0
1989	49.3	0.684	0	0	0	0	0	0	0	0	0	0
1990	50.3	0.698	0	0	0	0	0	0	0	0	0	0
1991	49.0	0.680	0	0	0	0	0	0	0	0	0	0
1992	22.1	0.307	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	1986 - 1992	1985 - 1992	1984 - 1992	0	0
1993	29.7	0.412	0	0	0	0	0	0	0	0	1984 - 1993	0
1994	28.9	0.401	0	0	0	0	0	0	0	0	0	1984 - 1994
1995	37.2	0.516	0	0	0	0	0	0	0	0	0	0
1996	45.4	0.630	0	0	0	0	0	0	0	0	0	0
1997	57.1	0.792	0	0	0	0	0	0	0	0	0	0
1998	51.0	0.707	0	0	0	0	0	0	0	0	0	0
		Min	-54.9%	-56.1%	-55.2%	-56.8%	-56.7%	-57.5%	-53.2%	-61.1%	-47.7%	-49.1%

### Ozone Season Heat Input

CONNECTICUT			All Periods of Declines										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	72.1	1.000											
1971	65.7	0.911	1970 - 1971										
1972	66.6	0.924	0	1970 - 1972									
1973	71.0	0.985	0	0	1970 - 1973								
1974	65.6	0.910	1973 - 1974	1972 - 1974	1971 - 1974	1970 - 1974							
1975	52.9	0.734	1974 - 1975	1973 - 1975	1972 - 1975	1971 - 1975	1970 - 1975						
1976	39.3	0.545	1975 - 1976	1974 - 1976	1973 - 1976	1972 - 1976	1971 - 1976	1970 - 1976					
1977	42.6	0.591	0	1975 - 1977	1974 - 1977	1973 - 1977	1972 - 1977	1971 - 1977	1970 - 1977				
1978	44.3	0.614	0	0	1975 - 1978	1974 - 1978	1973 - 1978	1972 - 1978	1971 - 1978	1970 - 1978			
1979	43.6	0.605	1978 - 1979	0	0	1975 - 1979	1974 - 1979	1973 - 1979	1972 - 1979	1971 - 1979	1970 - 1979		
1980	49.6	0.688	0	0	0	0	1975 - 1980	1974 - 1980	1973 - 1980	1972 - 1980	1971 - 1980	1970 - 1980	
1981	43.0	0.596	1980 - 1981	1979 - 1981	1978 - 1981	0	0	1975 - 1981	1974 - 1981	1973 - 1981	1972 - 1981	1971 - 1981	
1982	37.6	0.521	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	1975 - 1982	1974 - 1982	1973 - 1982	1972 - 1982	
1984	56.8	0.788	0	0	0	0	0	0	0	0	1975 - 1984	1974 - 1984	
1985	47.2	0.655	1984 - 1985	0	0	1981 - 1985	0	0	0	0	1976 - 1985	1975 - 1985	
1986	52.0	0.721	0	1984 - 1986	0	0	0	0	0	0	0	1976 - 1986	
1987	51.0	0.707	1986 - 1987	0	1984 - 1987	0	0	0	0	0	0	0	
1988	51.2	0.710	0	1986 - 1988	0	1984 - 1988	0	0	0	0	0	0	
1989	49.3	0.684	1988 - 1989	1987 - 1989	1986 - 1989	0	1984 - 1989	0	0	1981 - 1989	0	0	
1990	50.3	0.698	0	1988 - 1990	1987 - 1990	1986 - 1990	0	1984 - 1990	0	0	0	0	
1991	49.0	0.680	1990 - 1991	1989 - 1991	1988 - 1991	1987 - 1991	1986 - 1991	0	1984 - 1991	0	0	0	1981 - 1991
1992	22.1	0.307	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	1986 - 1992	1985 - 1992	1984 - 1992	1983 - 1992	1982 - 1992	
1993	29.7	0.412	0	1991 - 1993	1990 - 1993	1989 - 1993	1988 - 1993	1987 - 1993	1986 - 1993	1985 - 1993	1984 - 1993	1983 - 1993	
1994	28.9	0.401	1993 - 1994	0	1991 - 1994	1990 - 1994	1989 - 1994	1988 - 1994	1987 - 1994	1986 - 1994	1985 - 1994	1984 - 1994	
1995	37.2	0.516	0	0	0	1991 - 1995	1990 - 1995	1989 - 1995	1988 - 1995	1987 - 1995	1986 - 1995	1985 - 1995	
1996	45.4	0.630	0	0	0	0	1991 - 1996	1990 - 1996	1989 - 1996	1988 - 1996	1987 - 1996	1986 - 1996	
1997	57.1	0.792	0	0	0	0	0	0	0	0	0	0	
1998	51.0	0.707	1997 - 1998	0	0	0	0	0	0	0	0	0	1988 - 1998

### Ozone Season Heat Input

DELAWARE			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	26.7	1.000											
1971	24.9	0.933	-6.7%										
1972	23.6	0.884	-5.2%	-11.6%									
1973	28.8	1.079	22.0%	15.7%	7.9%								
1974	33.1	1.240	14.9%	40.3%	32.9%	24.0%							
1975	28.1	1.052	-15.1%	-2.4%	19.1%	12.9%	5.2%						
1976	28.3	1.060	0.7%	-14.5%	-1.7%	19.9%	13.7%	6.0%					
1977	27.0	1.011	-4.6%	-3.9%	-18.4%	-6.3%	14.4%	8.4%	1.1%				
1978	30.1	1.127	11.5%	6.4%	7.1%	-9.1%	4.5%	27.5%	20.9%	12.7%			
1979	32.2	1.206	7.0%	19.3%	13.8%	14.6%	-2.7%	11.8%	36.4%	29.3%	20.6%		
1980	29.9	1.120	-7.1%	-0.7%	10.7%	5.7%	6.4%	-9.7%	3.8%	26.7%	20.1%	12.0%	
1981	42.2	1.581	41.1%	31.1%	40.2%	56.3%	49.1%	50.2%	27.5%	46.5%	78.8%	69.5%	
1982	30.6	1.146	-27.5%	2.3%	-5.0%	1.7%	13.3%	8.1%	8.9%	-7.6%	6.3%	29.7%	
1984	42.7	1.599	39.5%	1.2%	42.8%	32.6%	41.9%	58.1%	50.9%	52.0%	29.0%	48.3%	
1985	38.0	1.423	-11.0%	24.2%	-10.0%	27.1%	18.0%	26.2%	40.7%	34.3%	35.2%	14.8%	
1986	39.9	1.494	5.0%	-6.6%	30.4%	-5.5%	33.4%	23.9%	32.6%	47.8%	41.0%	42.0%	
1987	40.5	1.517	1.5%	6.6%	-5.2%	32.4%	-4.0%	35.5%	25.8%	34.6%	50.0%	43.1%	
1988	39.5	1.479	-2.5%	-1.0%	3.9%	-7.5%	29.1%	-6.4%	32.1%	22.7%	31.2%	46.3%	
1989	38.5	1.442	-2.5%	-4.9%	-3.5%	1.3%	-9.8%	25.8%	-8.8%	28.8%	19.6%	27.9%	
1990	40.3	1.509	4.7%	2.0%	-0.5%	1.0%	6.1%	-5.6%	31.7%	-4.5%	34.8%	25.2%	
1991	41.9	1.569	4.0%	8.8%	6.1%	3.5%	5.0%	10.3%	-1.9%	36.9%	-0.7%	40.1%	
1992	36.8	1.378	-12.2%	-8.7%	-4.4%	-6.8%	-9.1%	-7.8%	-3.2%	-13.8%	20.3%	-12.8%	
1993	38.8	1.453	5.4%	-7.4%	-3.7%	0.8%	-1.8%	-4.2%	-2.8%	2.1%	-9.1%	26.8%	
1994	36.0	1.348	-7.2%	-2.2%	-14.1%	-10.7%	-6.5%	-8.9%	-11.1%	-9.8%	-5.3%	-15.7%	
1995	35.9	1.345	-0.3%	-7.5%	-2.4%	-14.3%	-10.9%	-6.8%	-9.1%	-11.4%	-10.0%	-5.5%	
1996	36.4	1.363	1.4%	1.1%	-6.2%	-1.1%	-13.1%	-9.7%	-5.5%	-7.8%	-10.1%	-8.8%	
1997	30.2	1.131	-17.0%	-15.9%	-16.1%	-22.2%	-17.9%	-27.9%	-25.1%	-21.6%	-23.5%	-25.4%	
1998	35.3	1.322	16.9%	-3.0%	-1.7%	-1.9%	-9.0%	-4.1%	-15.8%	-12.4%	-8.3%	-10.6%	
			Max	41.1%	40.3%	42.8%	56.3%	49.1%	58.1%	50.9%	52.0%	78.8%	69.5%

### Ozone Season Heat Input

DELAWARE			Period of Maximum Decline									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	26.7	1.000										
1971	24.9	0.933	0									
1972	23.6	0.884	0	0								
1973	28.8	1.079	0	0	0							
1974	33.1	1.240	0	0	0	0						
1975	28.1	1.052	0	0	0	0	0					
1976	28.3	1.060	0	0	0	0	0	0				
1977	27.0	1.011	0	0	1974 - 1977	0	0	0	0			
1978	30.1	1.127	0	0	0	0	0	0	0	0		
1979	32.2	1.206	0	0	0	0	0	0	0	0	0	
1980	29.9	1.120	0	0	0	0	0	0	0	0	0	0
1981	42.2	1.581	0	0	0	0	0	0	0	0	0	0
1982	30.6	1.146	1981 - 1982	0	0	0	0	0	0	0	0	0
1984	42.7	1.599	0	0	0	0	0	0	0	0	0	0
1985	38.0	1.423	0	0	0	0	0	0	0	0	0	0
1986	39.9	1.494	0	0	0	0	0	0	0	0	0	0
1987	40.5	1.517	0	0	0	0	0	0	0	0	0	0
1988	39.5	1.479	0	0	0	0	0	0	0	0	0	0
1989	38.5	1.442	0	0	0	0	0	0	0	0	0	0
1990	40.3	1.509	0	0	0	0	0	0	0	0	0	0
1991	41.9	1.569	0	0	0	0	0	0	0	0	0	0
1992	36.8	1.378	0	0	0	0	0	0	0	0	0	0
1993	38.8	1.453	0	0	0	0	0	0	0	0	0	0
1994	36.0	1.348	0	0	0	0	0	0	0	0	0	0
1995	35.9	1.345	0	0	0	0	0	0	0	0	0	0
1996	36.4	1.363	0	0	0	0	0	0	0	0	0	0
1997	30.2	1.131	0	1995 - 1997	0	1993 - 1997	1992 - 1997	1991 - 1997	1990 - 1997	1989 - 1997	1988 - 1997	1987 - 1997
1998	35.3	1.322	0	0	0	0	0	0	0	0	0	0
		Min	-27.5%	-15.9%	-18.4%	-22.2%	-17.9%	-27.9%	-25.1%	-21.6%	-23.5%	-25.4%

### Ozone Season Heat Input

DELAWARE			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	26.7	1.000										
1971	24.9	0.933	1970 - 1971									
1972	23.6	0.884	1971 - 1972	1970 - 1972								
1973	28.8	1.079	0	0	0							
1974	33.1	1.240	0	0	0	0						
1975	28.1	1.052	1974 - 1975	1973 - 1975	0	0	0					
1976	28.3	1.060	0	1974 - 1976	1973 - 1976	0	0	0				
1977	27.0	1.011	1976 - 1977	1975 - 1977	1974 - 1977	1973 - 1977	0	0	0			
1978	30.1	1.127	0	0	0	1974 - 1978	0	0	0	0		
1979	32.2	1.206	0	0	0	0	1974 - 1979	0	0	0	0	
1980	29.9	1.120	1979 - 1980	1978 - 1980	0	0	0	1974 - 1980	0	0	0	0
1981	42.2	1.581	0	0	0	0	0	0	0	0	0	0
1982	30.6	1.146	1981 - 1982	0	1979 - 1982	0	0	0	0	1974 - 1982	0	0
1984	42.7	1.599	0	0	0	0	0	0	0	0	0	0
1985	38.0	1.423	1984 - 1985	0	1982 - 1985	0	0	0	0	0	0	0
1986	39.9	1.494	0	1984 - 1986	0	1982 - 1986	0	0	0	0	0	0
1987	40.5	1.517	0	0	1984 - 1987	0	1982 - 1987	0	0	0	0	0
1988	39.5	1.479	1987 - 1988	1986 - 1988	0	1984 - 1988	0	1982 - 1988	0	0	0	0
1989	38.5	1.442	1988 - 1989	1987 - 1989	1986 - 1989	0	1984 - 1989	0	1982 - 1989	0	0	0
1990	40.3	1.509	0	0	1987 - 1990	0	0	1984 - 1990	0	1982 - 1990	0	0
1991	41.9	1.569	0	0	0	0	0	0	1984 - 1991	0	1982 - 1991	0
1992	36.8	1.378	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	1986 - 1992	1985 - 1992	1984 - 1992	0	1982 - 1992
1993	38.8	1.453	0	1991 - 1993	1990 - 1993	0	1988 - 1993	1987 - 1993	1986 - 1993	0	1984 - 1993	0
1994	36.0	1.348	1993 - 1994	1992 - 1994	1991 - 1994	1990 - 1994	1989 - 1994	1988 - 1994	1987 - 1994	1986 - 1994	1985 - 1994	1984 - 1994
1995	35.9	1.345	1994 - 1995	1993 - 1995	1992 - 1995	1991 - 1995	1990 - 1995	1989 - 1995	1988 - 1995	1987 - 1995	1986 - 1995	1985 - 1995
1996	36.4	1.363	0	0	1993 - 1996	1992 - 1996	1991 - 1996	1990 - 1996	1989 - 1996	1988 - 1996	1987 - 1996	1986 - 1996
1997	30.2	1.131	1996 - 1997	1995 - 1997	1994 - 1997	1993 - 1997	1992 - 1997	1991 - 1997	1990 - 1997	1989 - 1997	1988 - 1997	1987 - 1997
1998	35.3	1.322	0	1996 - 1998	1995 - 1998	1994 - 1998	1993 - 1998	1992 - 1998	1991 - 1998	1990 - 1998	1989 - 1998	1988 - 1998

### Ozone Season Heat Input

GEORGIA			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	124.5	1.000											
1971	145.1	1.165	16.5%										
1972	162.3	1.304	11.9%	30.4%									
1973	172.3	1.384	6.2%	18.7%	38.4%								
1974	189.6	1.523	10.0%	16.8%	30.7%	52.3%							
1975	183.1	1.471	-3.4%	6.3%	12.8%	26.2%	47.1%						
1976	193.9	1.557	5.9%	2.3%	12.5%	19.5%	33.6%	55.7%					
1977	235.5	1.892	21.5%	28.6%	24.2%	36.7%	45.1%	62.3%	89.2%				
1978	243.3	1.954	3.3%	25.5%	32.9%	28.3%	41.2%	49.9%	67.7%	95.4%			
1979	247.2	1.986	1.6%	5.0%	27.5%	35.0%	30.4%	43.5%	52.3%	70.4%	98.6%		
1980	273.6	2.198	10.7%	12.5%	16.2%	41.1%	49.4%	44.3%	58.8%	68.6%	88.6%	119.8%	
1981	269.6	2.165	-1.5%	9.1%	10.8%	14.5%	39.0%	47.2%	42.2%	56.5%	66.1%	85.8%	
1982	264.4	2.124	-1.9%	-3.4%	7.0%	8.7%	12.3%	36.4%	44.4%	39.5%	53.5%	62.9%	
1984	318.4	2.557	20.4%	18.1%	16.4%	28.8%	30.9%	35.2%	64.2%	73.9%	67.9%	84.8%	
1985	346.2	2.781	8.7%	30.9%	28.4%	26.5%	40.0%	42.3%	47.0%	78.5%	89.1%	82.6%	
1986	333.1	2.676	-3.8%	4.6%	26.0%	23.6%	21.7%	34.7%	36.9%	41.4%	71.8%	81.9%	
1987	343.8	2.761	3.2%	-0.7%	8.0%	30.0%	27.5%	25.7%	39.1%	41.3%	46.0%	77.3%	
1988	324.1	2.603	-5.7%	-2.7%	-6.4%	1.8%	22.6%	20.2%	18.5%	31.1%	33.2%	37.6%	
1989	323.3	2.597	-0.2%	-6.0%	-2.9%	-6.6%	1.5%	22.3%	19.9%	18.2%	30.8%	32.9%	
1990	363.0	2.916	12.3%	12.0%	5.6%	9.0%	4.9%	14.0%	37.3%	34.6%	32.7%	46.8%	
1991	310.5	2.494	-14.5%	-4.0%	-4.2%	-9.7%	-6.8%	-10.3%	-2.5%	17.4%	15.2%	13.5%	
1992	311.8	2.504	0.4%	-14.1%	-3.6%	-3.8%	-9.3%	-6.4%	-9.9%	-2.1%	17.9%	15.7%	
1993	335.3	2.693	7.5%	8.0%	-7.6%	3.7%	3.5%	-2.5%	0.7%	-3.1%	5.3%	26.8%	
1994	355.6	2.856	6.1%	14.0%	14.5%	-2.0%	10.0%	9.7%	3.4%	6.8%	2.7%	11.7%	
1995	387.9	3.116	9.1%	15.7%	24.4%	24.9%	6.9%	20.0%	19.7%	12.8%	16.5%	12.0%	
1996	377.1	3.029	-2.8%	6.0%	12.5%	20.9%	21.4%	3.9%	16.6%	16.4%	9.7%	13.2%	
1997	388.3	3.119	3.0%	0.1%	9.2%	15.8%	24.5%	25.1%	7.0%	20.1%	19.8%	12.9%	
1998	440.2	3.536	13.4%	16.7%	13.5%	23.8%	31.3%	41.2%	41.8%	21.3%	36.2%	35.8%	
			Max	21.5%	30.9%	38.4%	52.3%	49.4%	62.3%	89.2%	95.4%	98.6%	119.8%

### Ozone Season Heat Input

GEORGIA			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	124.5	1.000											
1971	145.1	1.165	0										
1972	162.3	1.304	0	0									
1973	172.3	1.384	0	0	0								
1974	189.6	1.523	0	0	0	0							
1975	183.1	1.471	0	0	0	0	0						
1976	193.9	1.557	0	0	0	0	0	0					
1977	235.5	1.892	0	0	0	0	0	0	0				
1978	243.3	1.954	0	0	0	0	0	0	0	0			
1979	247.2	1.986	0	0	0	0	0	0	0	0	0		
1980	273.6	2.198	0	0	0	0	0	0	0	0	0	0	
1981	269.6	2.165	0	0	0	0	0	0	0	0	0	0	
1982	264.4	2.124	0	0	0	0	0	0	0	0	0	0	
1984	318.4	2.557	0	0	0	0	0	0	0	0	0	0	
1985	346.2	2.781	0	0	0	0	0	0	0	0	0	0	
1986	333.1	2.676	0	0	0	0	0	0	0	0	0	0	
1987	343.8	2.761	0	0	0	0	0	0	0	0	0	0	
1988	324.1	2.603	0	0	0	0	0	0	0	0	0	0	
1989	323.3	2.597	0	0	0	0	0	0	0	0	0	0	
1990	363.0	2.916	0	0	0	0	0	0	0	0	0	0	
1991	310.5	2.494	1990 - 1991	0	0	1987 - 1991	0	1985 - 1991	0	0	0	0	
1992	311.8	2.504	0	1990 - 1992	0	0	1987 - 1992	0	1985 - 1992	0	0	0	
1993	335.3	2.693	0	0	1990 - 1993	0	0	0	0	1985 - 1993	0	0	
1994	355.6	2.856	0	0	0	0	0	0	0	0	1985 - 1994	1984 - 1994	
1995	387.9	3.116	0	0	0	0	0	0	0	0	0	0	
1996	377.1	3.029	0	0	0	0	0	0	0	0	0	0	
1997	388.3	3.119	0	0	0	0	0	0	0	0	0	0	
1998	440.2	3.536	0	0	0	0	0	0	0	0	0	0	
			Min	-14.5%	-14.1%	-7.6%	-9.7%	-9.3%	-10.3%	-9.9%	-3.1%	2.7%	11.7%

### Ozone Season Heat Input

GEORGIA			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	124.5	1.000										
1971	145.1	1.165	0									
1972	162.3	1.304	0	0								
1973	172.3	1.384	0	0	0							
1974	189.6	1.523	0	0	0	0						
1975	183.1	1.471	1974 - 1975	0	0	0	0					
1976	193.9	1.557	0	0	0	0	0	0				
1977	235.5	1.892	0	0	0	0	0	0	0			
1978	243.3	1.954	0	0	0	0	0	0	0	0		
1979	247.2	1.986	0	0	0	0	0	0	0	0	0	
1980	273.6	2.198	0	0	0	0	0	0	0	0	0	0
1981	269.6	2.165	1980 - 1981	0	0	0	0	0	0	0	0	0
1982	264.4	2.124	1981 - 1982	1980 - 1982	0	0	0	0	0	0	0	0
1984	318.4	2.557	0	0	0	0	0	0	0	0	0	0
1985	346.2	2.781	0	0	0	0	0	0	0	0	0	0
1986	333.1	2.676	1985 - 1986	0	0	0	0	0	0	0	0	0
1987	343.8	2.761	0	1985 - 1987	0	0	0	0	0	0	0	0
1988	324.1	2.603	1987 - 1988	1986 - 1988	1985 - 1988	0	0	0	0	0	0	0
1989	323.3	2.597	1988 - 1989	1987 - 1989	1986 - 1989	1985 - 1989	0	0	0	0	0	0
1990	363.0	2.916	0	0	0	0	0	0	0	0	0	0
1991	310.5	2.494	1990 - 1991	1989 - 1991	1988 - 1991	1987 - 1991	1986 - 1991	1985 - 1991	1984 - 1991	0	0	0
1992	311.8	2.504	0	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	1986 - 1992	1985 - 1992	1984 - 1992	0	0
1993	335.3	2.693	0	0	1990 - 1993	0	0	1987 - 1993	0	1985 - 1993	0	0
1994	355.6	2.856	0	0	0	1990 - 1994	0	0	0	0	0	0
1995	387.9	3.116	0	0	0	0	0	0	0	0	0	0
1996	377.1	3.029	1995 - 1996	0	0	0	0	0	0	0	0	0
1997	388.3	3.119	0	0	0	0	0	0	0	0	0	0
1998	440.2	3.536	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

ILLINOIS			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	388.6	1.000											
1971	396.6	1.021	2.1%										
1972	378.2	0.973	-4.6%	-2.7%									
1973	435.1	1.120	15.0%	9.7%	12.0%								
1974	414.9	1.068	-4.6%	9.7%	4.6%	6.8%							
1975	407.8	1.049	-1.7%	-6.3%	7.8%	2.8%	4.9%						
1976	397.6	1.023	-2.5%	-4.2%	-8.6%	5.1%	0.3%	2.3%					
1977	409.7	1.054	3.0%	0.5%	-1.3%	-5.8%	8.3%	3.3%	5.4%				
1978	420.8	1.083	2.7%	5.8%	3.2%	1.4%	-3.3%	11.3%	6.1%	8.3%			
1979	405.9	1.045	-3.5%	-0.9%	2.1%	-0.5%	-2.2%	-6.7%	7.3%	2.3%	4.5%		
1980	435.6	1.121	7.3%	3.5%	6.3%	9.6%	6.8%	5.0%	0.1%	15.2%	9.8%	12.1%	
1981	390.0	1.004	-10.5%	-3.9%	-7.3%	-4.8%	-1.9%	-4.4%	-6.0%	-10.4%	3.1%	-1.7%	
1982	364.7	0.938	-6.5%	-16.3%	-10.2%	-13.3%	-11.0%	-8.3%	-10.6%	-12.1%	-16.2%	-3.6%	
1984	374.4	0.963	2.7%	-4.0%	-14.0%	-7.8%	-11.0%	-8.6%	-5.8%	-8.2%	-9.8%	-14.0%	
1985	339.5	0.874	-9.3%	-6.9%	-12.9%	-22.1%	-16.4%	-19.3%	-17.1%	-14.6%	-16.7%	-18.2%	
1986	384.4	0.989	13.2%	2.7%	5.4%	-1.4%	-11.8%	-5.3%	-8.7%	-6.2%	-3.3%	-5.7%	
1987	364.2	0.937	-5.3%	7.3%	-2.7%	-0.1%	-6.6%	-16.4%	-10.3%	-13.5%	-11.1%	-8.4%	
1988	316.1	0.813	-13.2%	-17.8%	-6.9%	-15.6%	-13.3%	-18.9%	-27.4%	-22.1%	-24.9%	-22.8%	
1989	274.4	0.706	-13.2%	-24.7%	-28.6%	-19.2%	-26.7%	-24.8%	-29.6%	-37.0%	-32.4%	-34.8%	
1990	323.0	0.831	17.7%	2.2%	-11.3%	-16.0%	-4.9%	-13.7%	-11.4%	-17.2%	-25.8%	-20.4%	
1991	318.3	0.819	-1.5%	16.0%	0.7%	-12.6%	-17.2%	-6.2%	-15.0%	-12.7%	-18.4%	-26.9%	
1992	266.7	0.686	-16.2%	-17.4%	-2.8%	-15.6%	-26.8%	-30.6%	-21.4%	-28.8%	-26.9%	-31.6%	
1993	356.2	0.917	33.6%	11.9%	10.3%	29.8%	12.7%	-2.2%	-7.3%	4.9%	-4.9%	-2.3%	
1994	397.4	1.023	11.6%	49.0%	24.9%	23.0%	44.8%	25.7%	9.1%	3.4%	17.1%	6.1%	
1995	423.1	1.089	6.5%	18.8%	58.6%	32.9%	31.0%	54.2%	33.9%	16.2%	10.1%	24.6%	
1996	452.8	1.165	7.0%	13.9%	27.1%	69.8%	42.3%	40.2%	65.0%	43.2%	24.3%	17.8%	
1997	497.2	1.279	9.8%	17.5%	25.1%	39.6%	86.4%	56.2%	53.9%	81.2%	57.3%	36.5%	
1998	516.9	1.330	4.0%	14.2%	22.2%	30.1%	45.1%	93.8%	62.4%	60.0%	88.4%	63.5%	
			Max	33.6%	49.0%	58.6%	69.8%	86.4%	93.8%	65.0%	81.2%	88.4%	63.5%

### Ozone Season Heat Input

ILLINOIS			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	388.6	1.000											
1971	396.6	1.021	0										
1972	378.2	0.973	0	0									
1973	435.1	1.120	0	0	0								
1974	414.9	1.068	0	0	0	0							
1975	407.8	1.049	0	0	0	0	0						
1976	397.6	1.023	0	0	0	0	0	0					
1977	409.7	1.054	0	0	0	0	0	0	0				
1978	420.8	1.083	0	0	0	0	0	0	0	0			
1979	405.9	1.045	0	0	0	0	0	0	0	0	0		
1980	435.6	1.121	0	0	0	0	0	0	0	0	0	0	
1981	390.0	1.004	0	0	0	0	0	0	0	0	0	0	
1982	364.7	0.938	0	0	0	0	0	0	0	0	0	0	
1984	374.4	0.963	0	0	0	0	0	0	0	0	0	0	
1985	339.5	0.874	0	0	0	1981 - 1985	0	0	0	0	0	0	
1986	384.4	0.989	0	0	0	0	0	0	0	0	0	0	
1987	364.2	0.937	0	0	0	0	0	0	0	0	0	0	
1988	316.1	0.813	0	0	0	0	0	0	0	0	0	0	
1989	274.4	0.706	0	1987 - 1989	1986 - 1989	0	0	0	1982 - 1989	1981 - 1989	1980 - 1989	1979 - 1989	
1990	323.0	0.831	0	0	0	0	0	0	0	0	0	0	
1991	318.3	0.819	0	0	0	0	0	0	0	0	0	0	
1992	266.7	0.686	1991 - 1992	0	0	0	1987 - 1992	1986 - 1992	0	0	0	0	
1993	356.2	0.917	0	0	0	0	0	0	0	0	0	0	
1994	397.4	1.023	0	0	0	0	0	0	0	0	0	0	
1995	423.1	1.089	0	0	0	0	0	0	0	0	0	0	
1996	452.8	1.165	0	0	0	0	0	0	0	0	0	0	
1997	497.2	1.279	0	0	0	0	0	0	0	0	0	0	
1998	516.9	1.330	0	0	0	0	0	0	0	0	0	0	
			Min	-16.2%	-24.7%	-28.6%	-22.1%	-26.8%	-30.6%	-29.6%	-37.0%	-32.4%	-34.8%

### Ozone Season Heat Input

ILLINOIS			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	388.6	1.000										
1971	396.6	1.021	0									
1972	378.2	0.973	1971 - 1972	1970 - 1972								
1973	435.1	1.120	0	0	0							
1974	414.9	1.068	1973 - 1974	0	0	0						
1975	407.8	1.049	1974 - 1975	1973 - 1975	0	0	0					
1976	397.6	1.023	1975 - 1976	1974 - 1976	1973 - 1976	0	0	0				
1977	409.7	1.054	0	0	1974 - 1977	1973 - 1977	0	0	0			
1978	420.8	1.083	0	0	0	0	1973 - 1978	0	0	0		
1979	405.9	1.045	1978 - 1979	1977 - 1979	0	1975 - 1979	1974 - 1979	1973 - 1979	0	0	0	
1980	435.6	1.121	0	0	0	0	0	0	0	0	0	0
1981	390.0	1.004	1980 - 1981	1979 - 1981	1978 - 1981	1977 - 1981	1976 - 1981	1975 - 1981	1974 - 1981	1973 - 1981	0	1971 - 1981
1982	364.7	0.938	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	1975 - 1982	1974 - 1982	1973 - 1982	1972 - 1982
1984	374.4	0.963	0	1982 - 1984	1981 - 1984	1980 - 1984	1979 - 1984	1978 - 1984	1977 - 1984	1976 - 1984	1975 - 1984	1974 - 1984
1985	339.5	0.874	1984 - 1985	1983 - 1985	1982 - 1985	1981 - 1985	1980 - 1985	1979 - 1985	1978 - 1985	1977 - 1985	1976 - 1985	1975 - 1985
1986	384.4	0.989	0	0	0	1982 - 1986	1981 - 1986	1980 - 1986	1979 - 1986	1978 - 1986	1977 - 1986	1976 - 1986
1987	364.2	0.937	1986 - 1987	0	1984 - 1987	1983 - 1987	1982 - 1987	1981 - 1987	1980 - 1987	1979 - 1987	1978 - 1987	1977 - 1987
1988	316.1	0.813	1987 - 1988	1986 - 1988	1985 - 1988	1984 - 1988	1983 - 1988	1982 - 1988	1981 - 1988	1980 - 1988	1979 - 1988	1978 - 1988
1989	274.4	0.706	1988 - 1989	1987 - 1989	1986 - 1989	1985 - 1989	1984 - 1989	1983 - 1989	1982 - 1989	1981 - 1989	1980 - 1989	1979 - 1989
1990	323.0	0.831	0	0	1987 - 1990	1986 - 1990	1985 - 1990	1984 - 1990	1983 - 1990	1982 - 1990	1981 - 1990	1980 - 1990
1991	318.3	0.819	1990 - 1991	0	0	1987 - 1991	1986 - 1991	1985 - 1991	1984 - 1991	1983 - 1991	1982 - 1991	1981 - 1991
1992	266.7	0.686	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	1986 - 1992	1985 - 1992	1984 - 1992	1983 - 1992	1982 - 1992
1993	356.2	0.917	0	0	0	0	0	1987 - 1993	1986 - 1993	0	1984 - 1993	1983 - 1993
1994	397.4	1.023	0	0	0	0	0	0	0	0	0	0
1995	423.1	1.089	0	0	0	0	0	0	0	0	0	0
1996	452.8	1.165	0	0	0	0	0	0	0	0	0	0
1997	497.2	1.279	0	0	0	0	0	0	0	0	0	0
1998	516.9	1.330	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

INDIANA			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	264.0	1.000											
1971	267.8	1.014	1.4%										
1972	272.5	1.032	1.8%	3.2%									
1973	312.2	1.183	14.6%	16.6%	18.3%								
1974	294.5	1.116	-5.7%	8.1%	10.0%	11.6%							
1975	319.7	1.211	8.6%	2.4%	17.3%	19.4%	21.1%						
1976	321.7	1.219	0.6%	9.2%	3.0%	18.1%	20.1%	21.9%					
1977	336.8	1.276	4.7%	5.3%	14.4%	7.9%	23.6%	25.8%	27.6%				
1978	343.2	1.300	1.9%	6.7%	7.4%	16.5%	9.9%	25.9%	28.2%	30.0%			
1979	348.8	1.321	1.6%	3.6%	8.4%	9.1%	18.4%	11.7%	28.0%	30.2%	32.1%		
1980	361.9	1.371	3.8%	5.4%	7.5%	12.5%	13.2%	22.9%	15.9%	32.8%	35.1%	37.1%	
1981	361.3	1.369	-0.2%	3.6%	5.3%	7.3%	12.3%	13.0%	22.7%	15.7%	32.6%	34.9%	
1982	342.8	1.298	-5.1%	-5.3%	-1.7%	-0.1%	1.8%	6.6%	7.2%	16.4%	9.8%	25.8%	
1984	429.2	1.626	25.2%	18.8%	18.6%	23.1%	25.1%	27.4%	33.4%	34.3%	45.7%	37.5%	
1985	426.2	1.614	-0.7%	24.3%	18.0%	17.8%	22.2%	24.2%	26.5%	32.5%	33.3%	44.7%	
1986	422.6	1.601	-0.8%	-1.5%	23.3%	17.0%	16.8%	21.2%	23.1%	25.5%	31.4%	32.2%	
1987	444.0	1.682	5.1%	4.2%	3.4%	29.5%	22.9%	22.7%	27.3%	29.4%	31.8%	38.0%	
1988	460.7	1.745	3.8%	9.0%	8.1%	7.3%	34.4%	27.5%	27.3%	32.1%	34.2%	36.8%	
1989	469.9	1.780	2.0%	5.8%	11.2%	10.3%	9.5%	37.1%	30.1%	29.8%	34.7%	36.9%	
1990	548.2	2.077	16.7%	19.0%	23.5%	29.7%	28.6%	27.7%	59.9%	51.7%	51.5%	57.2%	
1991	562.6	2.131	2.6%	19.7%	22.1%	26.7%	33.1%	32.0%	31.1%	64.1%	55.7%	55.5%	
1992	528.6	2.002	-6.0%	-3.6%	12.5%	14.7%	19.1%	25.1%	24.0%	23.2%	54.2%	46.3%	
1993	559.0	2.117	5.8%	-0.6%	2.0%	19.0%	21.3%	25.9%	32.3%	31.2%	30.2%	63.1%	
1994	570.2	2.160	2.0%	7.9%	1.4%	4.0%	21.3%	23.8%	28.4%	34.9%	33.8%	32.9%	
1995	601.8	2.280	5.5%	7.7%	13.8%	7.0%	9.8%	28.1%	30.6%	35.5%	42.4%	41.2%	
1996	602.2	2.281	0.1%	5.6%	7.7%	13.9%	7.0%	9.9%	28.2%	30.7%	35.6%	42.5%	
1997	633.8	2.401	5.2%	5.3%	11.2%	13.4%	19.9%	12.7%	15.6%	34.9%	37.6%	42.7%	
1998	658.1	2.493	3.8%	9.3%	9.4%	15.4%	17.7%	24.5%	17.0%	20.0%	40.1%	42.8%	
			Max	25.2%	24.3%	23.5%	29.7%	34.4%	37.1%	59.9%	64.1%	55.7%	63.1%

### Ozone Season Heat Input

INDIANA			Period of Maximum Decline									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	264.0	1.000										
1971	267.8	1.014	0									
1972	272.5	1.032	0	0								
1973	312.2	1.183	0	0	0							
1974	294.5	1.116	0	0	0	0						
1975	319.7	1.211	0	0	0	0	0					
1976	321.7	1.219	0	0	0	0	0	0				
1977	336.8	1.276	0	0	0	0	0	0	0			
1978	343.2	1.300	0	0	0	0	0	0	0	0		
1979	348.8	1.321	0	0	0	0	0	0	0	0	0	
1980	361.9	1.371	0	0	0	0	0	0	0	0	0	0
1981	361.3	1.369	0	0	0	0	0	0	0	1973 - 1981	0	0
1982	342.8	1.298	0	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	1975 - 1982	0	1973 - 1982	1972 - 1982
1984	429.2	1.626	0	0	0	0	0	0	0	0	0	0
1985	426.2	1.614	0	0	0	0	0	0	0	0	0	0
1986	422.6	1.601	0	0	0	0	0	0	0	0	0	0
1987	444.0	1.682	0	0	0	0	0	0	0	0	0	0
1988	460.7	1.745	0	0	0	0	0	0	0	0	0	0
1989	469.9	1.780	0	0	0	0	0	0	0	0	0	0
1990	548.2	2.077	0	0	0	0	0	0	0	0	0	0
1991	562.6	2.131	0	0	0	0	0	0	0	0	0	0
1992	528.6	2.002	1991 - 1992	0	0	0	0	0	0	0	0	0
1993	559.0	2.117	0	0	0	0	0	0	0	0	0	0
1994	570.2	2.160	0	0	0	0	0	0	0	0	0	0
1995	601.8	2.280	0	0	0	0	0	0	0	0	0	0
1996	602.2	2.281	0	0	0	0	0	0	0	0	0	0
1997	633.8	2.401	0	0	0	0	0	0	0	0	0	0
1998	658.1	2.493	0	0	0	0	0	0	0	0	0	0
		Min	-6.0%	-5.3%	-1.7%	-0.1%	1.8%	6.6%	7.2%	15.7%	9.8%	25.8%

### Ozone Season Heat Input

INDIANA			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	264.0	1.000										
1971	267.8	1.014	0									
1972	272.5	1.032	0	0								
1973	312.2	1.183	0	0	0							
1974	294.5	1.116	1973 - 1974	0	0	0						
1975	319.7	1.211	0	0	0	0	0					
1976	321.7	1.219	0	0	0	0	0	0				
1977	336.8	1.276	0	0	0	0	0	0	0			
1978	343.2	1.300	0	0	0	0	0	0	0	0		
1979	348.8	1.321	0	0	0	0	0	0	0	0	0	
1980	361.9	1.371	0	0	0	0	0	0	0	0	0	0
1981	361.3	1.369	1980 - 1981	0	0	0	0	0	0	0	0	0
1982	342.8	1.298	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	0	0	0	0	0	0
1984	429.2	1.626	0	0	0	0	0	0	0	0	0	0
1985	426.2	1.614	1984 - 1985	0	0	0	0	0	0	0	0	0
1986	422.6	1.601	1985 - 1986	1984 - 1986	0	0	0	0	0	0	0	0
1987	444.0	1.682	0	0	0	0	0	0	0	0	0	0
1988	460.7	1.745	0	0	0	0	0	0	0	0	0	0
1989	469.9	1.780	0	0	0	0	0	0	0	0	0	0
1990	548.2	2.077	0	0	0	0	0	0	0	0	0	0
1991	562.6	2.131	0	0	0	0	0	0	0	0	0	0
1992	528.6	2.002	1991 - 1992	1990 - 1992	0	0	0	0	0	0	0	0
1993	559.0	2.117	0	1991 - 1993	0	0	0	0	0	0	0	0
1994	570.2	2.160	0	0	0	0	0	0	0	0	0	0
1995	601.8	2.280	0	0	0	0	0	0	0	0	0	0
1996	602.2	2.281	0	0	0	0	0	0	0	0	0	0
1997	633.8	2.401	0	0	0	0	0	0	0	0	0	0
1998	658.1	2.493	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

KENTUCKY			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	225.3	1.000											
1971	232.4	1.032	3.2%										
1972	263.1	1.168	13.2%	16.8%									
1973	256.7	1.139	-2.4%	10.5%	13.9%								
1974	274.7	1.219	7.0%	4.4%	18.2%	21.9%							
1975	254.4	1.129	-7.4%	-0.9%	-3.3%	9.5%	12.9%						
1976	281.9	1.251	10.8%	2.6%	9.8%	7.1%	21.3%	25.1%					
1977	288.6	1.281	2.4%	13.4%	5.1%	12.4%	9.7%	24.2%	28.1%				
1978	286.6	1.272	-0.7%	1.7%	12.7%	4.3%	11.6%	8.9%	23.3%	27.2%			
1979	258.2	1.146	-9.9%	-10.5%	-8.4%	1.5%	-6.0%	0.6%	-1.9%	11.1%	14.6%		
1980	270.2	1.199	4.6%	-5.7%	-6.4%	-4.2%	6.2%	-1.6%	5.3%	2.7%	16.3%	19.9%	
1981	309.7	1.375	14.6%	19.9%	8.1%	7.3%	9.9%	21.7%	12.7%	20.6%	17.7%	33.3%	
1982	280.2	1.244	-9.5%	3.7%	8.5%	-2.2%	-2.9%	-0.6%	10.1%	2.0%	9.2%	6.5%	
1984	287.5	1.276	2.6%	-7.2%	6.4%	11.3%	0.3%	-0.4%	2.0%	13.0%	4.7%	12.0%	
1985	314.0	1.394	9.2%	12.1%	1.4%	16.2%	21.6%	9.6%	8.8%	11.4%	23.4%	14.3%	
1986	338.5	1.502	7.8%	17.7%	20.8%	9.3%	25.3%	31.1%	18.1%	17.3%	20.1%	33.1%	
1987	343.3	1.524	1.4%	9.3%	19.4%	22.5%	10.8%	27.1%	33.0%	19.8%	19.0%	21.8%	
1988	377.0	1.673	9.8%	11.4%	20.1%	31.1%	34.5%	21.7%	39.5%	46.0%	31.5%	30.6%	
1989	331.0	1.469	-12.2%	-3.6%	-2.2%	5.4%	15.1%	18.1%	6.9%	22.5%	28.2%	15.5%	
1990	368.1	1.634	11.2%	-2.4%	7.2%	8.7%	17.2%	28.0%	31.4%	18.9%	36.2%	42.6%	
1991	369.3	1.639	0.3%	11.6%	-2.0%	7.6%	9.1%	17.6%	28.5%	31.8%	19.2%	36.7%	
1992	355.7	1.579	-3.7%	-3.4%	7.5%	-5.6%	3.6%	5.1%	13.3%	23.7%	26.9%	14.9%	
1993	403.1	1.789	13.3%	9.2%	9.5%	21.8%	6.9%	17.4%	19.1%	28.4%	40.2%	43.9%	
1994	392.5	1.742	-2.6%	10.3%	6.3%	6.6%	18.6%	4.1%	14.3%	16.0%	25.0%	36.5%	
1995	413.3	1.834	5.3%	2.5%	16.2%	11.9%	12.3%	24.9%	9.6%	20.4%	22.1%	31.6%	
1996	423.1	1.878	2.4%	7.8%	5.0%	18.9%	14.6%	14.9%	27.8%	12.2%	23.2%	25.0%	
1997	431.3	1.914	1.9%	4.4%	9.9%	7.0%	21.3%	16.8%	17.2%	30.3%	14.4%	25.6%	
1998	435.7	1.934	1.0%	3.0%	5.4%	11.0%	8.1%	22.5%	18.0%	18.4%	31.6%	15.6%	
			Max	14.6%	19.9%	20.8%	31.1%	34.5%	31.1%	39.5%	46.0%	40.2%	43.9%

### Ozone Season Heat Input

KENTUCKY			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	225.3	1.000											
1971	232.4	1.032	0										
1972	263.1	1.168	0	0									
1973	256.7	1.139	0	0	0								
1974	274.7	1.219	0	0	0	0							
1975	254.4	1.129	0	0	0	0	0						
1976	281.9	1.251	0	0	0	0	0	0					
1977	288.6	1.281	0	0	0	0	0	0	0				
1978	286.6	1.272	0	0	0	0	0	0	0	0			
1979	258.2	1.146	0	1977 - 1979	1976 - 1979	0	1974 - 1979	0	1972 - 1979	0	0		
1980	270.2	1.199	0	0	0	0	0	1974 - 1980	0	0	0	0	
1981	309.7	1.375	0	0	0	0	0	0	0	0	0	0	
1982	280.2	1.244	0	0	0	0	0	0	0	1974 - 1982	0	1972 - 1982	
1984	287.5	1.276	0	0	0	0	0	0	0	0	1975 - 1984	0	
1985	314.0	1.394	0	0	0	0	0	0	0	0	0	0	
1986	338.5	1.502	0	0	0	0	0	0	0	0	0	0	
1987	343.3	1.524	0	0	0	0	0	0	0	0	0	0	
1988	377.0	1.673	0	0	0	0	0	0	0	0	0	0	
1989	331.0	1.469	1988 - 1989	0	0	0	0	0	0	0	0	0	
1990	368.1	1.634	0	0	0	0	0	0	0	0	0	0	
1991	369.3	1.639	0	0	0	0	0	0	0	0	0	0	
1992	355.7	1.579	0	0	0	1988 - 1992	0	0	0	0	0	0	
1993	403.1	1.789	0	0	0	0	0	0	0	0	0	0	
1994	392.5	1.742	0	0	0	0	0	0	0	0	0	0	
1995	413.3	1.834	0	0	0	0	0	0	0	0	0	0	
1996	423.1	1.878	0	0	0	0	0	0	0	0	0	0	
1997	431.3	1.914	0	0	0	0	0	0	0	0	0	0	
1998	435.7	1.934	0	0	0	0	0	0	0	0	0	0	
			Min	-12.2%	-10.5%	-8.4%	-5.6%	-6.0%	-1.6%	-1.9%	2.0%	4.7%	6.5%

### Ozone Season Heat Input

KENTUCKY			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	225.3	1.000										
1971	232.4	1.032	0									
1972	263.1	1.168	0	0								
1973	256.7	1.139	1972 - 1973	0	0							
1974	274.7	1.219	0	0	0	0						
1975	254.4	1.129	1974 - 1975	1973 - 1975	1972 - 1975	0	0					
1976	281.9	1.251	0	0	0	0	0	0				
1977	288.6	1.281	0	0	0	0	0	0	0			
1978	286.6	1.272	1977 - 1978	0	0	0	0	0	0	0		
1979	258.2	1.146	1978 - 1979	1977 - 1979	1976 - 1979	0	1974 - 1979	0	1972 - 1979	0	0	
1980	270.2	1.199	0	1978 - 1980	1977 - 1980	1976 - 1980	0	1974 - 1980	0	0	0	0
1981	309.7	1.375	0	0	0	0	0	0	0	0	0	0
1982	280.2	1.244	1981 - 1982	0	0	1978 - 1982	1977 - 1982	1976 - 1982	0	0	0	0
1984	287.5	1.276	0	1982 - 1984	0	0	0	1978 - 1984	0	0	0	0
1985	314.0	1.394	0	0	0	0	0	0	0	0	0	0
1986	338.5	1.502	0	0	0	0	0	0	0	0	0	0
1987	343.3	1.524	0	0	0	0	0	0	0	0	0	0
1988	377.0	1.673	0	0	0	0	0	0	0	0	0	0
1989	331.0	1.469	1988 - 1989	1987 - 1989	1986 - 1989	0	0	0	0	0	0	0
1990	368.1	1.634	0	1988 - 1990	0	0	0	0	0	0	0	0
1991	369.3	1.639	0	0	1988 - 1991	0	0	0	0	0	0	0
1992	355.7	1.579	1991 - 1992	1990 - 1992	0	1988 - 1992	0	0	0	0	0	0
1993	403.1	1.789	0	0	0	0	0	0	0	0	0	0
1994	392.5	1.742	1993 - 1994	0	0	0	0	0	0	0	0	0
1995	413.3	1.834	0	0	0	0	0	0	0	0	0	0
1996	423.1	1.878	0	0	0	0	0	0	0	0	0	0
1997	431.3	1.914	0	0	0	0	0	0	0	0	0	0
1998	435.7	1.934	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

MARYLAND			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	100.1	1.000											
1971	102.8	1.027	2.7%										
1972	107.7	1.076	4.8%	7.6%									
1973	115.1	1.150	6.9%	12.0%	15.0%								
1974	129.2	1.291	12.3%	20.0%	25.7%	29.1%							
1975	92.7	0.926	-28.3%	-19.5%	-13.9%	-9.8%	-7.4%						
1976	95.6	0.955	3.1%	-26.0%	-16.9%	-11.2%	-7.0%	-4.5%					
1977	88.9	0.888	-7.0%	-4.1%	-31.2%	-22.8%	-17.5%	-13.5%	-11.2%				
1978	92.8	0.927	4.4%	-2.9%	0.1%	-28.2%	-19.4%	-13.8%	-9.7%	-7.3%			
1979	103.6	1.035	11.6%	16.5%	8.4%	11.8%	-19.8%	-10.0%	-3.8%	0.8%	3.5%		
1980	91.8	0.917	-11.4%	-1.1%	3.3%	-4.0%	-1.0%	-28.9%	-20.2%	-14.8%	-10.7%	-8.3%	
1981	90.4	0.903	-1.5%	-12.7%	-2.6%	1.7%	-5.4%	-2.5%	-30.0%	-21.5%	-16.1%	-12.1%	
1982	83.8	0.837	-7.3%	-8.7%	-19.1%	-9.7%	-5.7%	-12.3%	-9.6%	-35.1%	-27.2%	-22.2%	
1984	110.7	1.106	32.1%	22.5%	20.6%	6.9%	19.3%	24.5%	15.8%	19.4%	-14.3%	-3.8%	
1985	107.7	1.076	-2.7%	28.5%	19.1%	17.3%	4.0%	16.1%	21.1%	12.7%	16.2%	-16.6%	
1986	114.9	1.148	6.7%	3.8%	37.1%	27.1%	25.2%	10.9%	23.8%	29.2%	20.2%	23.9%	
1987	123.9	1.238	7.8%	15.0%	11.9%	47.9%	37.1%	35.0%	19.6%	33.5%	39.4%	29.6%	
1988	133.6	1.335	7.8%	16.3%	24.0%	20.7%	59.4%	47.8%	45.5%	29.0%	44.0%	50.3%	
1989	150.6	1.504	12.7%	21.5%	31.1%	39.8%	36.0%	79.7%	66.6%	64.1%	45.4%	62.3%	
1990	138.7	1.386	-7.9%	3.8%	11.9%	20.7%	28.8%	25.3%	65.5%	53.4%	51.1%	33.9%	
1991	138.7	1.386	0.0%	-7.9%	3.8%	11.9%	20.7%	28.8%	25.3%	65.5%	53.4%	51.1%	
1992	124.3	1.242	-10.4%	-10.4%	-17.5%	-7.0%	0.3%	8.2%	15.4%	12.3%	48.3%	37.5%	
1993	137.4	1.373	10.5%	-0.9%	-0.9%	-8.8%	2.8%	10.9%	19.6%	27.6%	24.1%	64.0%	
1994	138.4	1.383	0.7%	11.3%	-0.2%	-0.2%	-8.1%	3.6%	11.7%	20.5%	28.5%	25.0%	
1995	142.0	1.419	2.6%	3.3%	14.2%	2.4%	2.4%	-5.7%	6.3%	14.6%	23.6%	31.8%	
1996	131.9	1.318	-7.1%	-4.7%	-4.0%	6.1%	-4.9%	-4.9%	-12.4%	-1.3%	6.5%	14.8%	
1997	135.3	1.352	2.6%	-4.7%	-2.2%	-1.5%	8.8%	-2.5%	-2.5%	-10.2%	1.3%	9.2%	
1998	166.6	1.664	23.1%	26.3%	17.3%	20.4%	21.3%	34.0%	20.1%	20.1%	10.6%	24.7%	
			Max	32.1%	28.5%	37.1%	47.9%	59.4%	79.7%	66.6%	65.5%	53.4%	64.0%

### Ozone Season Heat Input

MARYLAND			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	100.1	1.000											
1971	102.8	1.027	0										
1972	107.7	1.076	0	0									
1973	115.1	1.150	0	0	0								
1974	129.2	1.291	0	0	0	0							
1975	92.7	0.926	1974 - 1975	0	0	0	0						
1976	95.6	0.955	0	1974 - 1976	0	0	0	0					
1977	88.9	0.888	0	0	1974 - 1977	0	0	0	0				
1978	92.8	0.927	0	0	0	1974 - 1978	0	0	0	0			
1979	103.6	1.035	0	0	0	0	1974 - 1979	0	0	0	0		
1980	91.8	0.917	0	0	0	0	0	1974 - 1980	0	0	0	0	
1981	90.4	0.903	0	0	0	0	0	0	1974 - 1981	0	0	0	
1982	83.8	0.837	0	0	0	0	0	0	0	1974 - 1982	1973 - 1982	1972 - 1982	
1984	110.7	1.106	0	0	0	0	0	0	0	0	0	0	
1985	107.7	1.076	0	0	0	0	0	0	0	0	0	0	
1986	114.9	1.148	0	0	0	0	0	0	0	0	0	0	
1987	123.9	1.238	0	0	0	0	0	0	0	0	0	0	
1988	133.6	1.335	0	0	0	0	0	0	0	0	0	0	
1989	150.6	1.504	0	0	0	0	0	0	0	0	0	0	
1990	138.7	1.386	0	0	0	0	0	0	0	0	0	0	
1991	138.7	1.386	0	0	0	0	0	0	0	0	0	0	
1992	124.3	1.242	0	0	0	0	0	0	0	0	0	0	
1993	137.4	1.373	0	0	0	0	0	0	0	0	0	0	
1994	138.4	1.383	0	0	0	0	0	0	0	0	0	0	
1995	142.0	1.419	0	0	0	0	0	0	0	0	0	0	
1996	131.9	1.318	0	0	0	0	0	0	0	0	0	0	
1997	135.3	1.352	0	0	0	0	0	0	0	0	0	0	
1998	166.6	1.664	0	0	0	0	0	0	0	0	0	0	
			Min	-28.3%	-26.0%	-31.2%	-28.2%	-19.8%	-28.9%	-30.0%	-35.1%	-27.2%	-22.2%

### Ozone Season Heat Input

MARYLAND			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	100.1	1.000										
1971	102.8	1.027	0									
1972	107.7	1.076	0	0								
1973	115.1	1.150	0	0	0							
1974	129.2	1.291	0	0	0	0						
1975	92.7	0.926	1974 - 1975	1973 - 1975	1972 - 1975	1971 - 1975	1970 - 1975					
1976	95.6	0.955	0	1974 - 1976	1973 - 1976	1972 - 1976	1971 - 1976	1970 - 1976				
1977	88.9	0.888	1976 - 1977	1975 - 1977	1974 - 1977	1973 - 1977	1972 - 1977	1971 - 1977	1970 - 1977			
1978	92.8	0.927	0	1976 - 1978	0	1974 - 1978	1973 - 1978	1972 - 1978	1971 - 1978	1970 - 1978		
1979	103.6	1.035	0	0	0	0	1974 - 1979	1973 - 1979	1972 - 1979	0	0	
1980	91.8	0.917	1979 - 1980	1978 - 1980	0	1976 - 1980	1975 - 1980	1974 - 1980	1973 - 1980	1972 - 1980	1971 - 1980	1970 - 1980
1981	90.4	0.903	1980 - 1981	1979 - 1981	1978 - 1981	0	1976 - 1981	1975 - 1981	1974 - 1981	1973 - 1981	1972 - 1981	1971 - 1981
1982	83.8	0.837	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	1975 - 1982	1974 - 1982	1973 - 1982	1972 - 1982
1984	110.7	1.106	0	0	0	0	0	0	0	0	1975 - 1984	1974 - 1984
1985	107.7	1.076	1984 - 1985	0	0	0	0	0	0	0	0	1975 - 1985
1986	114.9	1.148	0	0	0	0	0	0	0	0	0	0
1987	123.9	1.238	0	0	0	0	0	0	0	0	0	0
1988	133.6	1.335	0	0	0	0	0	0	0	0	0	0
1989	150.6	1.504	0	0	0	0	0	0	0	0	0	0
1990	138.7	1.386	1989 - 1990	0	0	0	0	0	0	0	0	0
1991	138.7	1.386	1990 - 1991	1989 - 1991	0	0	0	0	0	0	0	0
1992	124.3	1.242	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	0	0	0	0	0	0
1993	137.4	1.373	0	1991 - 1993	1990 - 1993	1989 - 1993	0	0	0	0	0	0
1994	138.4	1.383	0	0	1991 - 1994	1990 - 1994	1989 - 1994	0	0	0	0	0
1995	142.0	1.419	0	0	0	0	0	1989 - 1995	0	0	0	0
1996	131.9	1.318	1995 - 1996	1994 - 1996	1993 - 1996	0	1991 - 1996	1990 - 1996	1989 - 1996	1988 - 1996	0	0
1997	135.3	1.352	0	1995 - 1997	1994 - 1997	1993 - 1997	0	1991 - 1997	1990 - 1997	1989 - 1997	0	0
1998	166.6	1.664	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

MASSACHUSETTS			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	114.1	1.000											
1971	108.4	0.950	-5.0%										
1972	111.7	0.979	3.0%	-2.1%									
1973	114.7	1.005	2.7%	5.8%	0.5%								
1974	102.2	0.896	-10.9%	-8.5%	-5.7%	-10.4%							
1975	106.7	0.935	4.4%	-7.0%	-4.5%	-1.6%	-6.5%						
1976	110.4	0.968	3.5%	8.0%	-3.7%	-1.2%	1.8%	-3.2%					
1977	114.9	1.007	4.1%	7.7%	12.4%	0.2%	2.9%	6.0%	0.7%				
1978	109.5	0.960	-4.7%	-0.8%	2.6%	7.1%	-4.5%	-2.0%	1.0%	-4.0%			
1979	110.7	0.970	1.1%	-3.7%	0.3%	3.7%	8.3%	-3.5%	-0.9%	2.1%	-3.0%		
1980	128.9	1.130	16.4%	17.7%	12.2%	16.8%	20.8%	26.1%	12.4%	15.4%	18.9%	13.0%	
1981	116.2	1.018	-9.9%	5.0%	6.1%	1.1%	5.3%	8.9%	13.7%	1.3%	4.0%	7.2%	
1982	113.5	0.995	-2.3%	-11.9%	2.5%	3.7%	-1.2%	2.8%	6.4%	11.1%	-1.0%	1.6%	
1984	136.9	1.200	20.6%	17.8%	6.2%	23.7%	25.0%	19.1%	24.0%	28.3%	34.0%	19.4%	
1985	122.8	1.076	-10.3%	8.2%	5.7%	-4.7%	10.9%	12.1%	6.9%	11.2%	15.1%	20.2%	
1986	133.9	1.174	9.0%	-2.2%	18.0%	15.2%	3.9%	21.0%	22.3%	16.5%	21.3%	25.5%	
1987	144.4	1.266	7.8%	17.6%	5.5%	27.2%	24.3%	12.0%	30.4%	31.9%	25.7%	30.8%	
1988	134.9	1.182	-6.6%	0.7%	9.9%	-1.5%	18.9%	16.1%	4.7%	21.9%	23.2%	17.4%	
1989	144.5	1.266	7.1%	0.1%	7.9%	17.7%	5.6%	27.3%	24.4%	12.1%	30.5%	32.0%	
1990	137.4	1.204	-4.9%	1.9%	-4.8%	2.6%	11.9%	0.4%	21.1%	18.2%	6.6%	24.1%	
1991	138.5	1.214	0.8%	-4.2%	2.7%	-4.1%	3.4%	12.8%	1.2%	22.0%	19.2%	7.4%	
1992	110.1	0.965	-20.5%	-19.9%	-23.8%	-18.4%	-23.8%	-17.8%	-10.3%	-19.6%	-3.0%	-5.2%	
1993	103.8	0.910	-5.7%	-25.1%	-24.5%	-28.2%	-23.1%	-28.1%	-22.5%	-15.5%	-24.2%	-8.5%	
1994	100.6	0.882	-3.1%	-8.6%	-27.4%	-26.8%	-30.4%	-25.4%	-30.3%	-24.9%	-18.1%	-26.5%	
1995	112.1	0.982	11.4%	8.0%	1.8%	-19.1%	-18.4%	-22.4%	-16.9%	-22.4%	-16.3%	-8.7%	
1996	98.1	0.860	-12.5%	-2.5%	-5.5%	-10.9%	-29.2%	-28.6%	-32.1%	-27.3%	-32.1%	-26.7%	
1997	125.3	1.098	27.7%	11.8%	24.6%	20.7%	13.8%	-9.5%	-8.8%	-13.3%	-7.1%	-13.2%	
1998	88.0	0.771	-29.8%	-10.3%	-21.5%	-12.5%	-15.2%	-20.1%	-36.5%	-36.0%	-39.1%	-34.8%	
			Max	27.7%	17.8%	24.6%	27.2%	25.0%	27.3%	30.4%	31.9%	34.0%	32.0%

### Ozone Season Heat Input

MASSACHUSETTS			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	114.1	1.000											
1971	108.4	0.950	0										
1972	111.7	0.979	0	0									
1973	114.7	1.005	0	0	0								
1974	102.2	0.896	0	0	0	0							
1975	106.7	0.935	0	0	0	0	0						
1976	110.4	0.968	0	0	0	0	0	0					
1977	114.9	1.007	0	0	0	0	0	0	0				
1978	109.5	0.960	0	0	0	0	0	0	0	0			
1979	110.7	0.970	0	0	0	0	0	0	0	0	0		
1980	128.9	1.130	0	0	0	0	0	0	0	0	0	0	
1981	116.2	1.018	0	0	0	0	0	0	0	0	0	0	
1982	113.5	0.995	0	0	0	0	0	0	0	0	0	0	
1984	136.9	1.200	0	0	0	0	0	0	0	0	0	0	
1985	122.8	1.076	0	0	0	0	0	0	0	0	0	0	
1986	133.9	1.174	0	0	0	0	0	0	0	0	0	0	
1987	144.4	1.266	0	0	0	0	0	0	0	0	0	0	
1988	134.9	1.182	0	0	0	0	0	0	0	0	0	0	
1989	144.5	1.266	0	0	0	0	0	0	0	0	0	0	
1990	137.4	1.204	0	0	0	0	0	0	0	0	0	0	
1991	138.5	1.214	0	0	0	0	0	0	0	0	0	0	
1992	110.1	0.965	0	0	0	0	0	0	0	0	0	0	
1993	103.8	0.910	0	1991 - 1993	0	1989 - 1993	0	0	0	0	0	0	
1994	100.6	0.882	0	0	1991 - 1994	0	1989 - 1994	0	0	0	0	0	
1995	112.1	0.982	0	0	0	0	0	0	0	0	0	0	
1996	98.1	0.860	0	0	0	0	0	1990 - 1996	0	0	0	0	
1997	125.3	1.098	0	0	0	0	0	0	0	0	0	0	
1998	88.0	0.771	1997 - 1998	0	0	0	0	0	1991 - 1998	1990 - 1998	1989 - 1998	1988 - 1998	
			Min	-29.8%	-25.1%	-27.4%	-28.2%	-30.4%	-28.6%	-36.5%	-36.0%	-39.1%	-34.8%

### Ozone Season Heat Input

MASSACHUSETTS			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	114.1	1.000										
1971	108.4	0.950	1970 - 1971									
1972	111.7	0.979	0	1970 - 1972								
1973	114.7	1.005	0	0	0							
1974	102.2	0.896	1973 - 1974	1972 - 1974	1971 - 1974	1970 - 1974						
1975	106.7	0.935	0	1973 - 1975	1972 - 1975	1971 - 1975	1970 - 1975					
1976	110.4	0.968	0	0	1973 - 1976	1972 - 1976	0	1970 - 1976				
1977	114.9	1.007	0	0	0	0	0	0	0			
1978	109.5	0.960	1977 - 1978	1976 - 1978	0	0	1973 - 1978	1972 - 1978	0	1970 - 1978		
1979	110.7	0.970	0	1977 - 1979	0	0	0	1973 - 1979	1972 - 1979	0	1970 - 1979	
1980	128.9	1.130	0	0	0	0	0	0	0	0	0	0
1981	116.2	1.018	1980 - 1981	0	0	0	0	0	0	0	0	0
1982	113.5	0.995	1981 - 1982	1980 - 1982	0	0	1977 - 1982	0	0	0	1973 - 1982	0
1984	136.9	1.200	0	0	0	0	0	0	0	0	0	0
1985	122.8	1.076	1984 - 1985	0	0	1981 - 1985	0	0	0	0	0	0
1986	133.9	1.174	0	1984 - 1986	0	0	0	0	0	0	0	0
1987	144.4	1.266	0	0	0	0	0	0	0	0	0	0
1988	134.9	1.182	1987 - 1988	0	0	1984 - 1988	0	0	0	0	0	0
1989	144.5	1.266	0	0	0	0	0	0	0	0	0	0
1990	137.4	1.204	1989 - 1990	0	1987 - 1990	0	0	0	0	0	0	0
1991	138.5	1.214	0	1989 - 1991	0	1987 - 1991	0	0	0	0	0	0
1992	110.1	0.965	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	1986 - 1992	1985 - 1992	1984 - 1992	1983 - 1992	1982 - 1992
1993	103.8	0.910	1992 - 1993	1991 - 1993	1990 - 1993	1989 - 1993	1988 - 1993	1987 - 1993	1986 - 1993	1985 - 1993	1984 - 1993	1983 - 1993
1994	100.6	0.882	1993 - 1994	1992 - 1994	1991 - 1994	1990 - 1994	1989 - 1994	1988 - 1994	1987 - 1994	1986 - 1994	1985 - 1994	1984 - 1994
1995	112.1	0.982	0	0	0	1991 - 1995	1990 - 1995	1989 - 1995	1988 - 1995	1987 - 1995	1986 - 1995	1985 - 1995
1996	98.1	0.860	1995 - 1996	1994 - 1996	1993 - 1996	1992 - 1996	1991 - 1996	1990 - 1996	1989 - 1996	1988 - 1996	1987 - 1996	1986 - 1996
1997	125.3	1.098	0	0	0	0	0	1991 - 1997	1990 - 1997	1989 - 1997	1988 - 1997	1987 - 1997
1998	88.0	0.771	1997 - 1998	1996 - 1998	1995 - 1998	1994 - 1998	1993 - 1998	1992 - 1998	1991 - 1998	1990 - 1998	1989 - 1998	1988 - 1998

### Ozone Season Heat Input

MICHIGAN			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	265.5	1.000											
1971	268.1	1.010	1.0%										
1972	270.3	1.018	0.8%	1.8%									
1973	288.1	1.085	6.6%	7.5%	8.5%								
1974	297.8	1.122	3.4%	10.2%	11.1%	12.2%							
1975	292.4	1.101	-1.8%	1.5%	8.2%	9.1%	10.1%						
1976	280.3	1.056	-4.1%	-5.9%	-2.7%	3.7%	4.6%	5.6%					
1977	292.8	1.103	4.5%	0.1%	-1.7%	1.6%	8.3%	9.2%	10.3%				
1978	307.4	1.158	5.0%	9.7%	5.1%	3.2%	6.7%	13.7%	14.7%	15.8%			
1979	306.8	1.156	-0.2%	4.8%	9.5%	4.9%	3.0%	6.5%	13.5%	14.4%	15.6%		
1980	276.4	1.041	-9.9%	-10.1%	-5.6%	-1.4%	-5.5%	-7.2%	-4.1%	2.3%	3.1%	4.1%	
1981	290.4	1.094	5.1%	-5.3%	-5.5%	-0.8%	3.6%	-0.7%	-2.5%	0.8%	7.4%	8.3%	
1982	249.6	0.940	-14.0%	-9.7%	-18.6%	-18.8%	-14.8%	-11.0%	-14.6%	-16.2%	-13.4%	-7.7%	
1984	285.3	1.075	14.3%	-1.8%	3.2%	-7.0%	-7.2%	-2.6%	1.8%	-2.4%	-4.2%	-1.0%	
1985	298.8	1.125	4.7%	19.7%	2.9%	8.1%	-2.6%	-2.8%	2.0%	6.6%	2.2%	0.3%	
1986	324.0	1.220	8.4%	13.6%	29.8%	11.6%	17.2%	5.6%	5.4%	10.7%	15.6%	10.8%	
1987	363.5	1.369	12.2%	21.7%	27.4%	45.6%	25.2%	31.5%	18.5%	18.2%	24.1%	29.7%	
1988	357.2	1.345	-1.7%	10.2%	19.5%	25.2%	43.1%	23.0%	29.2%	16.4%	16.2%	22.0%	
1989	349.0	1.315	-2.3%	-4.0%	7.7%	16.8%	22.3%	39.8%	20.2%	26.3%	13.8%	13.5%	
1990	348.7	1.313	-0.1%	-2.4%	-4.1%	7.6%	16.7%	22.2%	39.7%	20.1%	26.2%	13.7%	
1991	361.1	1.360	3.6%	3.5%	1.1%	-0.7%	11.5%	20.9%	26.6%	44.7%	24.3%	30.6%	
1992	328.2	1.236	-9.1%	-5.9%	-6.0%	-8.1%	-9.7%	1.3%	9.8%	15.0%	31.5%	13.0%	
1993	348.1	1.311	6.1%	-3.6%	-0.2%	-0.3%	-2.5%	-4.2%	7.4%	16.5%	22.0%	39.5%	
1994	363.7	1.370	4.5%	10.8%	0.7%	4.3%	4.2%	1.8%	0.1%	12.3%	21.7%	27.5%	
1995	381.5	1.437	4.9%	9.6%	16.2%	5.6%	9.4%	9.3%	6.8%	5.0%	17.7%	27.7%	
1996	375.9	1.416	-1.5%	3.4%	8.0%	14.5%	4.1%	7.8%	7.7%	5.2%	3.4%	16.0%	
1997	374.0	1.409	-0.5%	-2.0%	2.8%	7.4%	14.0%	3.6%	7.3%	7.2%	4.7%	2.9%	
1998	423.5	1.595	13.2%	12.7%	11.0%	16.4%	21.7%	29.0%	17.3%	21.5%	21.3%	18.6%	
			Max	14.3%	21.7%	29.8%	45.6%	43.1%	39.8%	39.7%	44.7%	31.5%	39.5%

### Ozone Season Heat Input

MICHIGAN			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	265.5	1.000											
1971	268.1	1.010	0										
1972	270.3	1.018	0	0									
1973	288.1	1.085	0	0	0								
1974	297.8	1.122	0	0	0	0							
1975	292.4	1.101	0	0	0	0	0						
1976	280.3	1.056	0	0	0	0	0	0					
1977	292.8	1.103	0	0	0	0	0	0	0				
1978	307.4	1.158	0	0	0	0	0	0	0	0			
1979	306.8	1.156	0	0	0	0	0	0	0	0	0		
1980	276.4	1.041	0	1978 - 1980	0	0	0	0	0	0	0	0	
1981	290.4	1.094	0	0	0	0	0	0	0	0	0	0	
1982	249.6	0.940	1981 - 1982	0	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	1975 - 1982	1974 - 1982	1973 - 1982	1972 - 1982	
1984	285.3	1.075	0	0	0	0	0	0	0	0	0	0	
1985	298.8	1.125	0	0	0	0	0	0	0	0	0	0	
1986	324.0	1.220	0	0	0	0	0	0	0	0	0	0	
1987	363.5	1.369	0	0	0	0	0	0	0	0	0	0	
1988	357.2	1.345	0	0	0	0	0	0	0	0	0	0	
1989	349.0	1.315	0	0	0	0	0	0	0	0	0	0	
1990	348.7	1.313	0	0	0	0	0	0	0	0	0	0	
1991	361.1	1.360	0	0	0	0	0	0	0	0	0	0	
1992	328.2	1.236	0	0	0	0	0	0	0	0	0	0	
1993	348.1	1.311	0	0	0	0	0	0	0	0	0	0	
1994	363.7	1.370	0	0	0	0	0	0	0	0	0	0	
1995	381.5	1.437	0	0	0	0	0	0	0	0	0	0	
1996	375.9	1.416	0	0	0	0	0	0	0	0	0	0	
1997	374.0	1.409	0	0	0	0	0	0	0	0	0	0	
1998	423.5	1.595	0	0	0	0	0	0	0	0	0	0	
			Min	-14.0%	-10.1%	-18.6%	-18.8%	-14.8%	-11.0%	-14.6%	-16.2%	-13.4%	-7.7%

### Ozone Season Heat Input

MICHIGAN			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	265.5	1.000										
1971	268.1	1.010	0									
1972	270.3	1.018	0	0								
1973	288.1	1.085	0	0	0							
1974	297.8	1.122	0	0	0	0						
1975	292.4	1.101	1974 - 1975	0	0	0	0					
1976	280.3	1.056	1975 - 1976	1974 - 1976	1973 - 1976	0	0	0				
1977	292.8	1.103	0	0	1974 - 1977	0	0	0	0			
1978	307.4	1.158	0	0	0	0	0	0	0	0		
1979	306.8	1.156	1978 - 1979	0	0	0	0	0	0	0	0	
1980	276.4	1.041	1979 - 1980	1978 - 1980	1977 - 1980	1976 - 1980	1975 - 1980	1974 - 1980	1973 - 1980	0	0	0
1981	290.4	1.094	0	1979 - 1981	1978 - 1981	1977 - 1981	0	1975 - 1981	1974 - 1981	0	0	0
1982	249.6	0.940	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	1975 - 1982	1974 - 1982	1973 - 1982	1972 - 1982
1984	285.3	1.075	0	1982 - 1984	0	1980 - 1984	1979 - 1984	1978 - 1984	0	1976 - 1984	1975 - 1984	1974 - 1984
1985	298.8	1.125	0	0	0	0	1980 - 1985	1979 - 1985	0	0	0	0
1986	324.0	1.220	0	0	0	0	0	0	0	0	0	0
1987	363.5	1.369	0	0	0	0	0	0	0	0	0	0
1988	357.2	1.345	1987 - 1988	0	0	0	0	0	0	0	0	0
1989	349.0	1.315	1988 - 1989	1987 - 1989	0	0	0	0	0	0	0	0
1990	348.7	1.313	1989 - 1990	1988 - 1990	1987 - 1990	0	0	0	0	0	0	0
1991	361.1	1.360	0	0	0	1987 - 1991	0	0	0	0	0	0
1992	328.2	1.236	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	0	0	0	0	0
1993	348.1	1.311	0	1991 - 1993	1990 - 1993	1989 - 1993	1988 - 1993	1987 - 1993	0	0	0	0
1994	363.7	1.370	0	0	0	0	0	0	0	0	0	0
1995	381.5	1.437	0	0	0	0	0	0	0	0	0	0
1996	375.9	1.416	1995 - 1996	0	0	0	0	0	0	0	0	0
1997	374.0	1.409	1996 - 1997	1995 - 1997	0	0	0	0	0	0	0	0
1998	423.5	1.595	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

MISSOURI			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	162.6	1.000											
1971	166.9	1.026	2.6%										
1972	181.1	1.114	8.5%	11.4%									
1973	213.6	1.314	17.9%	28.0%	31.4%								
1974	209.2	1.287	-2.1%	15.5%	25.3%	28.7%							
1975	220.3	1.355	5.3%	3.1%	21.6%	32.0%	35.5%						
1976	240.0	1.476	8.9%	14.7%	12.4%	32.5%	43.8%	47.6%					
1977	265.6	1.633	10.7%	20.6%	27.0%	24.3%	46.7%	59.1%	63.3%				
1978	269.5	1.657	1.5%	12.3%	22.3%	28.8%	26.2%	48.8%	61.5%	65.7%			
1979	258.5	1.590	-4.1%	-2.7%	7.7%	17.3%	23.6%	21.0%	42.7%	54.9%	59.0%		
1980	293.1	1.803	13.4%	8.8%	10.4%	22.1%	33.0%	40.1%	37.2%	61.8%	75.6%	80.3%	
1981	274.2	1.686	-6.4%	6.1%	1.7%	3.2%	14.3%	24.5%	31.1%	28.4%	51.4%	64.3%	
1982	271.8	1.672	-0.9%	-7.3%	5.1%	0.9%	2.3%	13.3%	23.4%	29.9%	27.2%	50.1%	
1984	305.1	1.876	12.3%	11.3%	4.1%	18.0%	13.2%	14.9%	27.1%	38.5%	45.8%	42.8%	
1985	254.9	1.568	-16.5%	-6.2%	-7.0%	-13.0%	-1.4%	-5.4%	-4.0%	6.2%	15.7%	21.8%	
1986	265.9	1.635	4.3%	-12.8%	-2.2%	-3.0%	-9.3%	2.9%	-1.3%	0.1%	10.8%	20.7%	
1987	284.1	1.747	6.8%	11.5%	-6.9%	4.5%	3.6%	-3.1%	9.9%	5.4%	7.0%	18.4%	
1988	302.3	1.859	6.4%	13.7%	18.6%	-0.9%	11.2%	10.2%	3.1%	16.9%	12.2%	13.8%	
1989	282.2	1.736	-6.6%	-0.7%	6.1%	10.7%	-7.5%	3.8%	2.9%	-3.7%	9.2%	4.7%	
1990	287.7	1.769	1.9%	-4.8%	1.3%	8.2%	12.9%	-5.7%	5.8%	4.9%	-1.8%	11.3%	
1991	293.4	1.804	2.0%	4.0%	-2.9%	3.3%	10.3%	15.1%	-3.8%	7.9%	7.0%	0.1%	
1992	277.4	1.706	-5.5%	-3.6%	-1.7%	-8.2%	-2.4%	4.3%	8.8%	-9.1%	2.1%	1.2%	
1993	261.4	1.608	-5.8%	-10.9%	-9.1%	-7.4%	-13.5%	-8.0%	-1.7%	2.6%	-14.3%	-3.8%	
1994	315.5	1.940	20.7%	13.7%	7.5%	9.7%	11.8%	4.4%	11.1%	18.7%	23.8%	3.4%	
1995	370.6	2.279	17.5%	41.8%	33.6%	26.3%	28.8%	31.3%	22.6%	30.4%	39.4%	45.4%	
1996	381.3	2.345	2.9%	20.9%	45.9%	37.5%	30.0%	32.5%	35.1%	26.1%	34.2%	43.4%	
1997	420.3	2.585	10.2%	13.4%	33.2%	60.8%	51.5%	43.3%	46.1%	48.9%	39.0%	47.9%	
1998	455.2	2.800	8.3%	19.4%	22.8%	44.3%	74.1%	64.1%	55.1%	58.2%	61.3%	50.6%	
			Max	20.7%	41.8%	45.9%	60.8%	74.1%	64.1%	63.3%	65.7%	75.6%	80.3%

### Ozone Season Heat Input

MISSOURI			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	162.6	1.000											
1971	166.9	1.026	0										
1972	181.1	1.114	0	0									
1973	213.6	1.314	0	0	0								
1974	209.2	1.287	0	0	0	0							
1975	220.3	1.355	0	0	0	0	0						
1976	240.0	1.476	0	0	0	0	0	0					
1977	265.6	1.633	0	0	0	0	0	0	0				
1978	269.5	1.657	0	0	0	0	0	0	0	0			
1979	258.5	1.590	0	0	0	0	0	0	0	0	0		
1980	293.1	1.803	0	0	0	0	0	0	0	0	0	0	
1981	274.2	1.686	0	0	0	0	0	0	0	0	0	0	
1982	271.8	1.672	0	0	0	0	0	0	0	0	0	0	
1984	305.1	1.876	0	0	0	0	0	0	0	0	0	0	
1985	254.9	1.568	1984 - 1985	0	0	1981 - 1985	0	0	1978 - 1985	0	0	0	
1986	265.9	1.635	0	1984 - 1986	0	0	0	0	0	0	0	0	
1987	284.1	1.747	0	0	0	0	0	0	0	0	0	0	
1988	302.3	1.859	0	0	0	0	0	0	0	0	0	0	
1989	282.2	1.736	0	0	0	0	0	0	0	0	0	0	
1990	287.7	1.769	0	0	0	0	0	0	0	0	0	0	
1991	293.4	1.804	0	0	0	0	0	0	0	0	0	0	
1992	277.4	1.706	0	0	0	0	0	0	0	1984 - 1992	0	0	
1993	261.4	1.608	0	0	1990 - 1993	0	1988 - 1993	1987 - 1993	0	0	1984 - 1993	1983 - 1993	
1994	315.5	1.940	0	0	0	0	0	0	0	0	0	0	
1995	370.6	2.279	0	0	0	0	0	0	0	0	0	0	
1996	381.3	2.345	0	0	0	0	0	0	0	0	0	0	
1997	420.3	2.585	0	0	0	0	0	0	0	0	0	0	
1998	455.2	2.800	0	0	0	0	0	0	0	0	0	0	
			Min	-16.5%	-12.8%	-9.1%	-13.0%	-13.5%	-8.0%	-4.0%	-9.1%	-14.3%	-3.8%

### Ozone Season Heat Input

MISSOURI			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	162.6	1.000										
1971	166.9	1.026	0									
1972	181.1	1.114	0	0								
1973	213.6	1.314	0	0	0							
1974	209.2	1.287	1973 - 1974	0	0	0						
1975	220.3	1.355	0	0	0	0	0					
1976	240.0	1.476	0	0	0	0	0	0				
1977	265.6	1.633	0	0	0	0	0	0	0			
1978	269.5	1.657	0	0	0	0	0	0	0	0		
1979	258.5	1.590	1978 - 1979	1977 - 1979	0	0	0	0	0	0	0	0
1980	293.1	1.803	0	0	0	0	0	0	0	0	0	0
1981	274.2	1.686	1980 - 1981	0	0	0	0	0	0	0	0	0
1982	271.8	1.672	1981 - 1982	1980 - 1982	0	0	0	0	0	0	0	0
1984	305.1	1.876	0	0	0	0	0	0	0	0	0	0
1985	254.9	1.568	1984 - 1985	1983 - 1985	1982 - 1985	1981 - 1985	1980 - 1985	1979 - 1985	1978 - 1985	0	0	0
1986	265.9	1.635	0	1984 - 1986	1983 - 1986	1982 - 1986	1981 - 1986	0	1979 - 1986	0	0	0
1987	284.1	1.747	0	0	1984 - 1987	0	0	1981 - 1987	0	0	0	0
1988	302.3	1.859	0	0	0	1984 - 1988	0	0	0	0	0	0
1989	282.2	1.736	1988 - 1989	1987 - 1989	0	0	1984 - 1989	0	0	1981 - 1989	0	0
1990	287.7	1.769	0	1988 - 1990	0	0	0	1984 - 1990	0	0	1981 - 1990	0
1991	293.4	1.804	0	0	1988 - 1991	0	0	0	1984 - 1991	0	0	0
1992	277.4	1.706	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	0	0	1984 - 1992	0	0
1993	261.4	1.608	1992 - 1993	1991 - 1993	1990 - 1993	1989 - 1993	1988 - 1993	1987 - 1993	1986 - 1993	0	1984 - 1993	1983 - 1993
1994	315.5	1.940	0	0	0	0	0	0	0	0	0	0
1995	370.6	2.279	0	0	0	0	0	0	0	0	0	0
1996	381.3	2.345	0	0	0	0	0	0	0	0	0	0
1997	420.3	2.585	0	0	0	0	0	0	0	0	0	0
1998	455.2	2.800	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

NEW JERSEY			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	168.5	1.000											
1971	151.7	0.900	-10.0%										
1972	148.9	0.884	-1.8%	-11.6%									
1973	169.4	1.005	13.8%	11.7%	0.5%								
1974	146.4	0.869	-13.6%	-1.7%	-3.5%	-13.1%							
1975	103.8	0.616	-29.1%	-38.7%	-30.3%	-31.6%	-38.4%						
1976	95.6	0.567	-7.9%	-34.7%	-43.6%	-35.8%	-37.0%	-43.3%					
1977	110.8	0.658	15.9%	6.7%	-24.3%	-34.6%	-25.6%	-27.0%	-34.2%				
1978	95.4	0.566	-13.9%	-0.2%	-8.1%	-34.8%	-43.7%	-35.9%	-37.1%	-43.4%			
1979	98.7	0.586	3.5%	-10.9%	3.2%	-4.9%	-32.6%	-41.7%	-33.7%	-34.9%	-41.4%		
1980	113.0	0.671	14.5%	18.4%	2.0%	18.2%	8.9%	-22.8%	-33.3%	-24.1%	-25.5%	-32.9%	
1981	116.9	0.694	3.5%	18.4%	22.5%	5.5%	22.3%	12.6%	-20.2%	-31.0%	-21.5%	-22.9%	
1982	85.6	0.508	-26.8%	-24.2%	-13.3%	-10.3%	-22.7%	-10.5%	-17.5%	-41.5%	-49.5%	-42.5%	
1984	110.3	0.655	28.9%	-5.6%	-2.4%	11.8%	15.6%	-0.5%	15.4%	6.3%	-24.7%	-34.9%	
1985	82.1	0.487	-25.6%	-4.1%	-29.8%	-27.3%	-16.8%	-13.9%	-25.9%	-14.1%	-20.9%	-43.9%	
1986	82.5	0.490	0.5%	-25.2%	-3.6%	-29.4%	-27.0%	-16.4%	-13.5%	-25.5%	-13.7%	-20.5%	
1987	101.3	0.601	22.8%	23.4%	-8.2%	18.3%	-13.3%	-10.4%	2.6%	6.2%	-8.6%	6.0%	
1988	91.0	0.540	-10.2%	10.3%	10.8%	-17.5%	6.3%	-22.2%	-19.5%	-7.8%	-4.6%	-17.9%	
1989	94.6	0.561	4.0%	-6.6%	14.7%	15.2%	-14.2%	10.5%	-19.1%	-16.3%	-4.2%	-0.8%	
1990	77.2	0.458	-18.4%	-15.2%	-23.8%	-6.4%	-6.0%	-30.0%	-9.8%	-34.0%	-31.7%	-21.8%	
1991	75.6	0.449	-2.1%	-20.1%	-16.9%	-25.4%	-8.4%	-7.9%	-31.5%	-11.7%	-35.3%	-33.1%	
1992	55.1	0.327	-27.1%	-28.6%	-41.8%	-39.5%	-45.6%	-33.2%	-32.9%	-50.0%	-35.6%	-52.9%	
1993	57.8	0.343	4.9%	-23.5%	-25.1%	-38.9%	-36.5%	-42.9%	-29.9%	-29.6%	-47.6%	-32.5%	
1994	59.3	0.352	2.6%	7.6%	-21.6%	-23.2%	-37.3%	-34.8%	-41.5%	-28.1%	-27.8%	-46.2%	
1995	64.7	0.384	9.1%	11.9%	17.4%	-14.4%	-16.2%	-31.6%	-28.9%	-36.1%	-21.6%	-21.2%	
1996	48.1	0.285	-25.7%	-18.9%	-16.8%	-12.7%	-36.4%	-37.7%	-49.2%	-47.1%	-52.5%	-41.7%	
1997	52.1	0.309	8.3%	-19.5%	-12.1%	-9.9%	-5.4%	-31.1%	-32.5%	-44.9%	-42.7%	-48.6%	
1998	62.6	0.372	20.2%	30.1%	-3.2%	5.6%	8.3%	13.6%	-17.2%	-18.9%	-33.8%	-31.2%	
			Max	28.9%	30.1%	22.5%	18.3%	22.3%	13.6%	15.4%	6.3%	-4.2%	6.0%

### Ozone Season Heat Input

NEW JERSEY			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	168.5	1.000											
1971	151.7	0.900	0										
1972	148.9	0.884	0	0									
1973	169.4	1.005	0	0	0								
1974	146.4	0.869	0	0	0	0							
1975	103.8	0.616	1974 - 1975	1973 - 1975	0	0	0						
1976	95.6	0.567	0	0	1973 - 1976	0	0	1970 - 1976					
1977	110.8	0.658	0	0	0	0	0	0	0				
1978	95.4	0.566	0	0	0	0	0	0	0	0			
1979	98.7	0.586	0	0	0	0	0	0	0	0	0		
1980	113.0	0.671	0	0	0	0	0	0	0	0	0	0	
1981	116.9	0.694	0	0	0	0	0	0	0	0	0	0	
1982	85.6	0.508	0	0	0	0	0	0	0	0	0	0	
1984	110.3	0.655	0	0	0	0	0	0	0	0	0	0	
1985	82.1	0.487	0	0	0	0	0	0	0	0	0	0	
1986	82.5	0.490	0	0	0	0	0	0	0	0	0	0	
1987	101.3	0.601	0	0	0	0	0	0	0	0	0	0	
1988	91.0	0.540	0	0	0	0	0	0	0	0	0	0	
1989	94.6	0.561	0	0	0	0	0	0	0	0	0	0	
1990	77.2	0.458	0	0	0	0	0	0	0	0	0	0	
1991	75.6	0.449	0	0	0	0	0	0	0	0	0	0	
1992	55.1	0.327	0	0	0	1988 - 1992	1987 - 1992	0	0	1984 - 1992	0	1982 - 1992	
1993	57.8	0.343	0	0	0	0	0	0	0	0	0	0	
1994	59.3	0.352	0	0	0	0	0	0	0	0	0	0	
1995	64.7	0.384	0	0	0	0	0	0	0	0	0	0	
1996	48.1	0.285	0	0	0	0	0	0	1989 - 1996	0	1987 - 1996	0	
1997	52.1	0.309	0	0	0	0	0	0	0	0	0	0	
1998	62.6	0.372	0	0	0	0	0	0	0	0	0	0	
			Min	-29.1%	-38.7%	-43.6%	-39.5%	-45.6%	-43.3%	-49.2%	-50.0%	-52.5%	-52.9%

### Ozone Season Heat Input

NEW JERSEY			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	168.5	1.000										
1971	151.7	0.900	1970 - 1971									
1972	148.9	0.884	1971 - 1972	1970 - 1972								
1973	169.4	1.005	0	0	0							
1974	146.4	0.869	1973 - 1974	1972 - 1974	1971 - 1974	1970 - 1974						
1975	103.8	0.616	1974 - 1975	1973 - 1975	1972 - 1975	1971 - 1975	1970 - 1975					
1976	95.6	0.567	1975 - 1976	1974 - 1976	1973 - 1976	1972 - 1976	1971 - 1976	1970 - 1976				
1977	110.8	0.658	0	0	1974 - 1977	1973 - 1977	1972 - 1977	1971 - 1977	1970 - 1977			
1978	95.4	0.566	1977 - 1978	1976 - 1978	1975 - 1978	1974 - 1978	1973 - 1978	1972 - 1978	1971 - 1978	1970 - 1978		
1979	98.7	0.586	0	1977 - 1979	0	1975 - 1979	1974 - 1979	1973 - 1979	1972 - 1979	1971 - 1979	1970 - 1979	
1980	113.0	0.671	0	0	0	0	0	1974 - 1980	1973 - 1980	1972 - 1980	1971 - 1980	1970 - 1980
1981	116.9	0.694	0	0	0	0	0	0	1974 - 1981	1973 - 1981	1972 - 1981	1971 - 1981
1982	85.6	0.508	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	1975 - 1982	1974 - 1982	1973 - 1982	1972 - 1982
1984	110.3	0.655	0	1982 - 1984	1981 - 1984	0	0	1978 - 1984	0	0	1975 - 1984	1974 - 1984
1985	82.1	0.487	1984 - 1985	1983 - 1985	1982 - 1985	1981 - 1985	1980 - 1985	1979 - 1985	1978 - 1985	1977 - 1985	1976 - 1985	1975 - 1985
1986	82.5	0.490	0	1984 - 1986	1983 - 1986	1982 - 1986	1981 - 1986	1980 - 1986	1979 - 1986	1978 - 1986	1977 - 1986	1976 - 1986
1987	101.3	0.601	0	0	1984 - 1987	0	1982 - 1987	1981 - 1987	0	0	1978 - 1987	0
1988	91.0	0.540	1987 - 1988	0	0	1984 - 1988	0	1982 - 1988	1981 - 1988	1980 - 1988	1979 - 1988	1978 - 1988
1989	94.6	0.561	0	1987 - 1989	0	0	1984 - 1989	0	1982 - 1989	1981 - 1989	1980 - 1989	1979 - 1989
1990	77.2	0.458	1989 - 1990	1988 - 1990	1987 - 1990	1986 - 1990	1985 - 1990	1984 - 1990	1983 - 1990	1982 - 1990	1981 - 1990	1980 - 1990
1991	75.6	0.449	1990 - 1991	1989 - 1991	1988 - 1991	1987 - 1991	1986 - 1991	1985 - 1991	1984 - 1991	1983 - 1991	1982 - 1991	1981 - 1991
1992	55.1	0.327	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	1986 - 1992	1985 - 1992	1984 - 1992	1983 - 1992	1982 - 1992
1993	57.8	0.343	0	1991 - 1993	1990 - 1993	1989 - 1993	1988 - 1993	1987 - 1993	1986 - 1993	1985 - 1993	1984 - 1993	1983 - 1993
1994	59.3	0.352	0	0	1991 - 1994	1990 - 1994	1989 - 1994	1988 - 1994	1987 - 1994	1986 - 1994	1985 - 1994	1984 - 1994
1995	64.7	0.384	0	0	0	1991 - 1995	1990 - 1995	1989 - 1995	1988 - 1995	1987 - 1995	1986 - 1995	1985 - 1995
1996	48.1	0.285	1995 - 1996	1994 - 1996	1993 - 1996	1992 - 1996	1991 - 1996	1990 - 1996	1989 - 1996	1988 - 1996	1987 - 1996	1986 - 1996
1997	52.1	0.309	0	1995 - 1997	1994 - 1997	1993 - 1997	1992 - 1997	1991 - 1997	1990 - 1997	1989 - 1997	1988 - 1997	1987 - 1997
1998	62.6	0.372	0	0	1995 - 1998	0	0	0	1991 - 1998	1990 - 1998	1989 - 1998	1988 - 1998

### Ozone Season Heat Input

NEW YORK			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	330.6	1.000											
1971	329.9	0.998	-0.2%										
1972	320.6	0.970	-2.8%	-3.0%									
1973	340.8	1.031	6.3%	3.3%	3.1%								
1974	314.4	0.951	-7.7%	-1.9%	-4.7%	-4.9%							
1975	296.5	0.897	-5.7%	-13.0%	-7.5%	-10.1%	-10.3%						
1976	281.6	0.852	-5.0%	-10.4%	-17.4%	-12.2%	-14.6%	-14.8%					
1977	301.2	0.911	7.0%	1.6%	-4.2%	-11.6%	-6.1%	-8.7%	-8.9%				
1978	291.3	0.881	-3.3%	3.4%	-1.8%	-7.3%	-14.5%	-9.1%	-11.7%	-11.9%			
1979	275.3	0.833	-5.5%	-8.6%	-2.2%	-7.2%	-12.4%	-19.2%	-14.1%	-16.6%	-16.7%		
1980	293.7	0.888	6.7%	0.8%	-2.5%	4.3%	-0.9%	-6.6%	-13.8%	-8.4%	-11.0%	-11.2%	
1981	298.9	0.904	1.8%	8.6%	2.6%	-0.8%	6.1%	0.8%	-4.9%	-12.3%	-6.8%	-9.4%	
1982	281.6	0.852	-5.8%	-4.1%	2.3%	-3.3%	-6.5%	0.0%	-5.0%	-10.4%	-17.4%	-12.2%	
1984	296.8	0.898	5.4%	-0.7%	1.1%	7.8%	1.9%	-1.5%	5.4%	0.1%	-5.6%	-12.9%	
1985	288.3	0.872	-2.9%	2.4%	-3.5%	-1.8%	4.7%	-1.0%	-4.3%	2.4%	-2.8%	-8.3%	
1986	280.1	0.847	-2.8%	-5.6%	-0.5%	-6.3%	-4.6%	1.7%	-3.8%	-7.0%	-0.5%	-5.5%	
1987	313.8	0.949	12.0%	8.8%	5.7%	11.4%	5.0%	6.8%	14.0%	7.7%	4.2%	11.4%	
1988	344.5	1.042	9.8%	23.0%	19.5%	16.1%	22.3%	15.3%	17.3%	25.1%	18.3%	14.4%	
1989	373.4	1.129	8.4%	19.0%	33.3%	29.5%	25.8%	32.6%	24.9%	27.1%	35.6%	28.2%	
1990	371.1	1.123	-0.6%	7.7%	18.3%	32.5%	28.7%	25.0%	31.8%	24.2%	26.4%	34.8%	
1991	353.2	1.068	-4.8%	-5.4%	2.5%	12.6%	26.1%	22.5%	19.0%	25.4%	18.2%	20.3%	
1992	292.3	0.884	-17.2%	-21.2%	-21.7%	-15.2%	-6.9%	4.4%	1.4%	-1.5%	3.8%	-2.2%	
1993	242.0	0.732	-17.2%	-31.5%	-34.8%	-35.2%	-29.8%	-22.9%	-13.6%	-16.1%	-18.5%	-14.1%	
1994	243.5	0.737	0.6%	-16.7%	-31.1%	-34.4%	-34.8%	-29.3%	-22.4%	-13.1%	-15.5%	-18.0%	
1995	263.5	0.797	8.2%	8.9%	-9.9%	-25.4%	-29.0%	-29.4%	-23.5%	-16.0%	-5.9%	-8.6%	
1996	211.3	0.639	-19.8%	-13.2%	-12.7%	-27.7%	-40.2%	-43.1%	-43.4%	-38.7%	-32.7%	-24.6%	
1997	267.5	0.809	26.6%	1.5%	9.9%	10.5%	-8.5%	-24.3%	-27.9%	-28.4%	-22.4%	-14.8%	
1998	313.9	0.949	17.3%	48.6%	19.1%	28.9%	29.7%	7.4%	-11.1%	-15.4%	-15.9%	-8.9%	
			Max	26.6%	48.6%	33.3%	32.5%	29.7%	32.6%	31.8%	27.1%	35.6%	34.8%

### Ozone Season Heat Input

NEW YORK			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	330.6	1.000											
1971	329.9	0.998	0										
1972	320.6	0.970	0	0									
1973	340.8	1.031	0	0	0								
1974	314.4	0.951	0	0	0	0							
1975	296.5	0.897	0	0	0	0	0						
1976	281.6	0.852	0	0	0	0	0	0					
1977	301.2	0.911	0	0	0	0	0	0	0				
1978	291.3	0.881	0	0	0	0	0	0	0	0			
1979	275.3	0.833	0	0	0	0	0	0	0	0	0		
1980	293.7	0.888	0	0	0	0	0	0	0	0	0	0	
1981	298.9	0.904	0	0	0	0	0	0	0	0	0	0	
1982	281.6	0.852	0	0	0	0	0	0	0	0	0	0	
1984	296.8	0.898	0	0	0	0	0	0	0	0	0	0	
1985	288.3	0.872	0	0	0	0	0	0	0	0	0	0	
1986	280.1	0.847	0	0	0	0	0	0	0	0	0	0	
1987	313.8	0.949	0	0	0	0	0	0	0	0	0	0	
1988	344.5	1.042	0	0	0	0	0	0	0	0	0	0	
1989	373.4	1.129	0	0	0	0	0	0	0	0	0	0	
1990	371.1	1.123	0	0	0	0	0	0	0	0	0	0	
1991	353.2	1.068	0	0	0	0	0	0	0	0	0	0	
1992	292.3	0.884	0	0	0	0	0	0	0	0	0	0	
1993	242.0	0.732	0	1991 - 1993	1990 - 1993	1989 - 1993	0	0	0	0	0	0	
1994	243.5	0.737	0	0	0	0	0	0	0	0	0	0	
1995	263.5	0.797	0	0	0	0	0	0	0	0	0	0	
1996	211.3	0.639	1995 - 1996	0	0	0	1991 - 1996	1990 - 1996	1989 - 1996	1988 - 1996	1987 - 1996	1986 - 1996	
1997	267.5	0.809	0	0	0	0	0	0	0	0	0	0	
1998	313.9	0.949	0	0	0	0	0	0	0	0	0	0	
			Min	-19.8%	-31.5%	-34.8%	-35.2%	-40.2%	-43.1%	-43.4%	-38.7%	-32.7%	-24.6%

### Ozone Season Heat Input

NEW YORK			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	330.6	1.000										
1971	329.9	0.998	1970 - 1971									
1972	320.6	0.970	1971 - 1972	1970 - 1972								
1973	340.8	1.031	0	0	0							
1974	314.4	0.951	1973 - 1974	1972 - 1974	1971 - 1974	1970 - 1974						
1975	296.5	0.897	1974 - 1975	1973 - 1975	1972 - 1975	1971 - 1975	1970 - 1975					
1976	281.6	0.852	1975 - 1976	1974 - 1976	1973 - 1976	1972 - 1976	1971 - 1976	1970 - 1976				
1977	301.2	0.911	0	0	1974 - 1977	1973 - 1977	1972 - 1977	1971 - 1977	1970 - 1977			
1978	291.3	0.881	1977 - 1978	0	1975 - 1978	1974 - 1978	1973 - 1978	1972 - 1978	1971 - 1978	1970 - 1978		
1979	275.3	0.833	1978 - 1979	1977 - 1979	1976 - 1979	1975 - 1979	1974 - 1979	1973 - 1979	1972 - 1979	1971 - 1979	1970 - 1979	
1980	293.7	0.888	0	0	1977 - 1980	0	1975 - 1980	1974 - 1980	1973 - 1980	1972 - 1980	1971 - 1980	1970 - 1980
1981	298.9	0.904	0	0	0	1977 - 1981	0	0	1974 - 1981	1973 - 1981	1972 - 1981	1971 - 1981
1982	281.6	0.852	1981 - 1982	1980 - 1982	0	1978 - 1982	1977 - 1982	1976 - 1982	1975 - 1982	1974 - 1982	1973 - 1982	1972 - 1982
1984	296.8	0.898	0	1982 - 1984	0	0	1978 - 1984	0	0	1975 - 1984	1974 - 1984	
1985	288.3	0.872	1984 - 1985	0	1982 - 1985	1981 - 1985	0	1979 - 1985	1978 - 1985	0	1976 - 1985	1975 - 1985
1986	280.1	0.847	1985 - 1986	1984 - 1986	1983 - 1986	1982 - 1986	1981 - 1986	0	1979 - 1986	1978 - 1986	1977 - 1986	1976 - 1986
1987	313.8	0.949	0	0	0	0	0	0	0	0	0	0
1988	344.5	1.042	0	0	0	0	0	0	0	0	0	0
1989	373.4	1.129	0	0	0	0	0	0	0	0	0	0
1990	371.1	1.123	1989 - 1990	0	0	0	0	0	0	0	0	0
1991	353.2	1.068	1990 - 1991	1989 - 1991	0	0	0	0	0	0	0	0
1992	292.3	0.884	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	0	0	1984 - 1992	0	1982 - 1992
1993	242.0	0.732	1992 - 1993	1991 - 1993	1990 - 1993	1989 - 1993	1988 - 1993	1987 - 1993	1986 - 1993	1985 - 1993	1984 - 1993	1983 - 1993
1994	243.5	0.737	0	1992 - 1994	1991 - 1994	1990 - 1994	1989 - 1994	1988 - 1994	1987 - 1994	1986 - 1994	1985 - 1994	1984 - 1994
1995	263.5	0.797	0	0	1992 - 1995	1991 - 1995	1990 - 1995	1989 - 1995	1988 - 1995	1987 - 1995	1986 - 1995	1985 - 1995
1996	211.3	0.639	1995 - 1996	1994 - 1996	1993 - 1996	1992 - 1996	1991 - 1996	1990 - 1996	1989 - 1996	1988 - 1996	1987 - 1996	1986 - 1996
1997	267.5	0.809	0	0	0	0	1992 - 1997	1991 - 1997	1990 - 1997	1989 - 1997	1988 - 1997	1987 - 1997
1998	313.9	0.949	0	0	0	0	0	0	1991 - 1998	1990 - 1998	1989 - 1998	1988 - 1998

### Ozone Season Heat Input

NORTH CAROLINA			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	217.3	1.000											
1971	226.0	1.040	4.0%										
1972	234.4	1.079	3.7%	7.9%									
1973	246.9	1.136	5.3%	9.2%	13.6%								
1974	255.2	1.174	3.4%	8.9%	12.9%	17.4%							
1975	209.5	0.964	-17.9%	-15.1%	-10.6%	-7.3%	-3.6%						
1976	224.1	1.031	7.0%	-12.2%	-9.2%	-4.4%	-0.8%	3.1%					
1977	261.1	1.202	16.5%	24.6%	2.3%	5.8%	11.4%	15.5%	20.2%				
1978	217.3	1.000	-16.8%	-3.0%	3.7%	-14.9%	-12.0%	-7.3%	-3.8%	0.0%			
1979	257.4	1.185	18.5%	-1.4%	14.9%	22.9%	0.9%	4.3%	9.8%	13.9%	18.5%		
1980	281.8	1.297	9.5%	29.7%	7.9%	25.7%	34.5%	10.4%	14.1%	20.2%	24.7%	29.7%	
1981	290.8	1.338	3.2%	13.0%	33.8%	11.4%	29.8%	38.8%	13.9%	17.8%	24.1%	28.7%	
1982	282.4	1.300	-2.9%	0.2%	9.7%	30.0%	8.2%	26.0%	34.8%	10.7%	14.4%	20.5%	
1984	221.1	1.017	-21.7%	-24.0%	-21.5%	-14.1%	1.7%	-15.3%	-1.3%	5.5%	-13.4%	-10.4%	
1985	221.2	1.018	0.0%	-21.7%	-23.9%	-21.5%	-14.1%	1.8%	-15.3%	-1.3%	5.6%	-13.3%	
1986	262.4	1.208	18.6%	18.7%	-7.1%	-9.8%	-6.9%	1.9%	20.8%	0.5%	17.1%	25.3%	
1987	211.9	0.975	-19.2%	-4.2%	-4.2%	-25.0%	-27.1%	-24.8%	-17.7%	-2.5%	-18.8%	-5.4%	
1988	200.9	0.925	-5.2%	-23.4%	-9.2%	-9.1%	-28.9%	-30.9%	-28.7%	-22.0%	-7.5%	-23.1%	
1989	216.9	0.998	8.0%	2.4%	-17.3%	-1.9%	-1.9%	-23.2%	-25.4%	-23.0%	-15.7%	-0.2%	
1990	234.1	1.077	7.9%	16.5%	10.5%	-10.8%	5.8%	5.9%	-17.1%	-19.5%	-16.9%	-9.1%	
1991	220.2	1.013	-5.9%	1.5%	9.6%	3.9%	-16.1%	-0.5%	-0.4%	-22.0%	-24.3%	-21.9%	
1992	285.0	1.312	29.4%	21.7%	31.4%	41.9%	34.5%	8.6%	28.8%	28.9%	0.9%	-2.0%	
1993	299.7	1.379	5.2%	36.1%	28.0%	38.2%	49.2%	41.4%	14.2%	35.5%	35.5%	6.1%	
1994	263.9	1.214	-11.9%	-7.4%	19.8%	12.7%	21.7%	31.4%	24.5%	0.6%	19.3%	19.4%	
1995	277.6	1.277	5.2%	-7.4%	-2.6%	26.1%	18.6%	28.0%	38.2%	31.0%	5.8%	25.5%	
1996	302.8	1.393	9.1%	14.7%	1.0%	6.2%	37.5%	29.3%	39.6%	50.7%	42.9%	15.4%	
1997	311.7	1.434	2.9%	12.3%	18.1%	4.0%	9.4%	41.6%	33.1%	43.7%	55.2%	47.1%	
1998	365.6	1.682	17.3%	20.7%	31.7%	38.5%	22.0%	28.3%	66.0%	56.2%	68.6%	82.0%	
			Max	29.4%	36.1%	33.8%	41.9%	49.2%	41.6%	66.0%	56.2%	68.6%	82.0%

### Ozone Season Heat Input

NORTH CAROLINA			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	217.3	1.000											
1971	226.0	1.040	0										
1972	234.4	1.079	0	0									
1973	246.9	1.136	0	0	0								
1974	255.2	1.174	0	0	0	0							
1975	209.5	0.964	0	0	0	0	0						
1976	224.1	1.031	0	0	0	0	0	0					
1977	261.1	1.202	0	0	0	0	0	0	0				
1978	217.3	1.000	0	0	0	0	0	0	0	0			
1979	257.4	1.185	0	0	0	0	0	0	0	0	0		
1980	281.8	1.297	0	0	0	0	0	0	0	0	0	0	
1981	290.8	1.338	0	0	0	0	0	0	0	0	0	0	
1982	282.4	1.300	0	0	0	0	0	0	0	0	0	0	
1984	221.1	1.017	1983 - 1984	1982 - 1984	0	0	0	0	0	0	0	0	
1985	221.2	1.018	0	0	1982 - 1985	0	0	0	0	0	0	0	
1986	262.4	1.208	0	0	0	0	0	0	0	0	0	0	
1987	211.9	0.975	0	0	0	1983 - 1987	0	0	0	0	0	0	
1988	200.9	0.925	0	0	0	0	1983 - 1988	1982 - 1988	1981 - 1988	0	0	1978 - 1988	
1989	216.9	0.998	0	0	0	0	0	0	0	1981 - 1989	0	0	
1990	234.1	1.077	0	0	0	0	0	0	0	0	0	0	
1991	220.2	1.013	0	0	0	0	0	0	0	0	1982 - 1991	0	
1992	285.0	1.312	0	0	0	0	0	0	0	0	0	0	
1993	299.7	1.379	0	0	0	0	0	0	0	0	0	0	
1994	263.9	1.214	0	0	0	0	0	0	0	0	0	0	
1995	277.6	1.277	0	0	0	0	0	0	0	0	0	0	
1996	302.8	1.393	0	0	0	0	0	0	0	0	0	0	
1997	311.7	1.434	0	0	0	0	0	0	0	0	0	0	
1998	365.6	1.682	0	0	0	0	0	0	0	0	0	0	
			Min	-21.7%	-24.0%	-23.9%	-25.0%	-28.9%	-30.9%	-28.7%	-23.0%	-24.3%	-23.1%

### Ozone Season Heat Input

NORTH CAROLINA			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	217.3	1.000										
1971	226.0	1.040	0									
1972	234.4	1.079	0	0								
1973	246.9	1.136	0	0	0							
1974	255.2	1.174	0	0	0	0						
1975	209.5	0.964	1974 - 1975	1973 - 1975	1972 - 1975	1971 - 1975	1970 - 1975					
1976	224.1	1.031	0	1974 - 1976	1973 - 1976	1972 - 1976	1971 - 1976	0				
1977	261.1	1.202	0	0	0	0	0	0	0			
1978	217.3	1.000	1977 - 1978	1976 - 1978	0	1974 - 1978	1973 - 1978	1972 - 1978	1971 - 1978	1970 - 1978		
1979	257.4	1.185	0	1977 - 1979	0	0	0	0	0	0	0	
1980	281.8	1.297	0	0	0	0	0	0	0	0	0	0
1981	290.8	1.338	0	0	0	0	0	0	0	0	0	0
1982	282.4	1.300	1981 - 1982	0	0	0	0	0	0	0	0	0
1984	221.1	1.017	1983 - 1984	1982 - 1984	1981 - 1984	1980 - 1984	0	1978 - 1984	1977 - 1984	0	1975 - 1984	1974 - 1984
1985	221.2	1.018	0	1983 - 1985	1982 - 1985	1981 - 1985	1980 - 1985	0	1978 - 1985	1977 - 1985	0	1975 - 1985
1986	262.4	1.208	0	0	1983 - 1986	1982 - 1986	1981 - 1986	0	0	0	0	0
1987	211.9	0.975	1986 - 1987	1985 - 1987	1984 - 1987	1983 - 1987	1982 - 1987	1981 - 1987	1980 - 1987	1979 - 1987	1978 - 1987	1977 - 1987
1988	200.9	0.925	1987 - 1988	1986 - 1988	1985 - 1988	1984 - 1988	1983 - 1988	1982 - 1988	1981 - 1988	1980 - 1988	1979 - 1988	1978 - 1988
1989	216.9	0.998	0	0	1986 - 1989	1985 - 1989	1984 - 1989	1983 - 1989	1982 - 1989	1981 - 1989	1980 - 1989	1979 - 1989
1990	234.1	1.077	0	0	0	1986 - 1990	0	0	1983 - 1990	1982 - 1990	1981 - 1990	1980 - 1990
1991	220.2	1.013	1990 - 1991	0	0	0	1986 - 1991	1985 - 1991	1984 - 1991	1983 - 1991	1982 - 1991	1981 - 1991
1992	285.0	1.312	0	0	0	0	0	0	0	0	0	1982 - 1992
1993	299.7	1.379	0	0	0	0	0	0	0	0	0	0
1994	263.9	1.214	1993 - 1994	1992 - 1994	0	0	0	0	0	0	0	0
1995	277.6	1.277	0	1993 - 1995	1992 - 1995	0	0	0	0	0	0	0
1996	302.8	1.393	0	0	0	0	0	0	0	0	0	0
1997	311.7	1.434	0	0	0	0	0	0	0	0	0	0
1998	365.6	1.682	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

OHIO			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	412.2	1.000											
1971	443.4	1.076	7.6%										
1972	459.9	1.116	3.7%	11.6%									
1973	515.1	1.250	12.0%	16.2%	25.0%								
1974	522.5	1.268	1.4%	13.6%	17.8%	26.8%							
1975	553.1	1.342	5.9%	7.4%	20.3%	24.7%	34.2%						
1976	554.2	1.344	0.2%	6.1%	7.6%	20.5%	25.0%	34.4%					
1977	584.8	1.419	5.5%	5.7%	11.9%	13.5%	27.2%	31.9%	41.9%				
1978	597.8	1.450	2.2%	7.9%	8.1%	14.4%	16.1%	30.0%	34.8%	45.0%			
1979	590.7	1.433	-1.2%	1.0%	6.6%	6.8%	13.1%	14.7%	28.4%	33.2%	43.3%		
1980	534.4	1.296	-9.5%	-10.6%	-8.6%	-3.6%	-3.4%	2.3%	3.7%	16.2%	20.5%	29.6%	
1981	528.5	1.282	-1.1%	-10.5%	-11.6%	-9.6%	-4.6%	-4.4%	1.1%	2.6%	14.9%	19.2%	
1982	487.8	1.183	-7.7%	-8.7%	-17.4%	-18.4%	-16.6%	-12.0%	-11.8%	-6.6%	-5.3%	6.1%	
1984	487.4	1.182	-0.1%	-7.8%	-8.8%	-17.5%	-18.5%	-16.7%	-12.1%	-11.9%	-6.7%	-5.4%	
1985	519.5	1.260	6.6%	6.5%	-1.7%	-2.8%	-12.1%	-13.1%	-11.2%	-6.3%	-6.1%	-0.6%	
1986	550.0	1.334	5.9%	12.8%	12.8%	4.1%	2.9%	-6.9%	-8.0%	-6.0%	-0.8%	-0.6%	
1987	550.4	1.335	0.1%	5.9%	12.9%	12.8%	4.1%	3.0%	-6.8%	-7.9%	-5.9%	-0.7%	
1988	572.7	1.389	4.1%	4.1%	10.2%	17.5%	17.4%	8.4%	7.2%	-3.0%	-4.2%	-2.1%	
1989	570.1	1.383	-0.5%	3.6%	3.7%	9.7%	17.0%	16.9%	7.9%	6.7%	-3.5%	-4.6%	
1990	544.1	1.320	-4.6%	-5.0%	-1.1%	-1.1%	4.7%	11.6%	11.5%	3.0%	1.8%	-7.9%	
1991	563.4	1.367	3.5%	-1.2%	-1.6%	2.4%	2.4%	8.5%	15.6%	15.5%	6.6%	5.4%	
1992	570.5	1.384	1.3%	4.9%	0.1%	-0.4%	3.7%	3.7%	9.8%	17.0%	17.0%	7.9%	
1993	583.8	1.416	2.3%	3.6%	7.3%	2.4%	1.9%	6.1%	6.1%	12.4%	19.8%	19.7%	
1994	553.1	1.342	-5.3%	-3.0%	-1.8%	1.7%	-3.0%	-3.4%	0.5%	0.6%	6.5%	13.5%	
1995	583.6	1.416	5.5%	0.0%	2.3%	3.6%	7.3%	2.4%	1.9%	6.0%	6.1%	12.3%	
1996	585.8	1.421	0.4%	5.9%	0.3%	2.7%	4.0%	7.7%	2.8%	2.3%	6.4%	6.5%	
1997	579.2	1.405	-1.1%	-0.8%	4.7%	-0.8%	1.5%	2.8%	6.5%	1.6%	1.1%	5.2%	
1998	640.7	1.554	10.6%	9.4%	9.8%	15.8%	9.7%	12.3%	13.7%	17.8%	12.4%	11.9%	
			Max	12.0%	16.2%	25.0%	26.8%	34.2%	34.4%	41.9%	45.0%	43.3%	29.6%

### Ozone Season Heat Input

OHIO			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	412.2	1.000											
1971	443.4	1.076	0										
1972	459.9	1.116	0	0									
1973	515.1	1.250	0	0	0								
1974	522.5	1.268	0	0	0	0							
1975	553.1	1.342	0	0	0	0	0						
1976	554.2	1.344	0	0	0	0	0	0					
1977	584.8	1.419	0	0	0	0	0	0	0				
1978	597.8	1.450	0	0	0	0	0	0	0	0			
1979	590.7	1.433	0	0	0	0	0	0	0	0	0		
1980	534.4	1.296	1979 - 1980	1978 - 1980	0	0	0	0	0	0	0	0	
1981	528.5	1.282	0	0	0	0	0	0	0	0	0	0	
1982	487.8	1.183	0	0	1979 - 1982	1978 - 1982	0	0	0	0	0	0	
1984	487.4	1.182	0	0	0	0	1979 - 1984	1978 - 1984	1977 - 1984	1976 - 1984	1975 - 1984	0	
1985	519.5	1.260	0	0	0	0	0	0	0	0	0	0	
1986	550.0	1.334	0	0	0	0	0	0	0	0	0	0	
1987	550.4	1.335	0	0	0	0	0	0	0	0	0	0	
1988	572.7	1.389	0	0	0	0	0	0	0	0	0	0	
1989	570.1	1.383	0	0	0	0	0	0	0	0	0	0	
1990	544.1	1.320	0	0	0	0	0	0	0	0	0	1980 - 1990	
1991	563.4	1.367	0	0	0	0	0	0	0	0	0	0	
1992	570.5	1.384	0	0	0	0	0	0	0	0	0	0	
1993	583.8	1.416	0	0	0	0	0	0	0	0	0	0	
1994	553.1	1.342	0	0	0	0	0	0	0	0	0	0	
1995	583.6	1.416	0	0	0	0	0	0	0	0	0	0	
1996	585.8	1.421	0	0	0	0	0	0	0	0	0	0	
1997	579.2	1.405	0	0	0	0	0	0	0	0	0	0	
1998	640.7	1.554	0	0	0	0	0	0	0	0	0	0	
			Min	-9.5%	-10.6%	-17.4%	-18.4%	-18.5%	-16.7%	-12.1%	-11.9%	-6.7%	-7.9%

### Ozone Season Heat Input

OHIO			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	412.2	1.000										
1971	443.4	1.076	0									
1972	459.9	1.116	0	0								
1973	515.1	1.250	0	0	0							
1974	522.5	1.268	0	0	0	0						
1975	553.1	1.342	0	0	0	0	0					
1976	554.2	1.344	0	0	0	0	0	0				
1977	584.8	1.419	0	0	0	0	0	0	0			
1978	597.8	1.450	0	0	0	0	0	0	0	0		
1979	590.7	1.433	1978 - 1979	0	0	0	0	0	0	0	0	
1980	534.4	1.296	1979 - 1980	1978 - 1980	1977 - 1980	1976 - 1980	1975 - 1980	0	0	0	0	0
1981	528.5	1.282	1980 - 1981	1979 - 1981	1978 - 1981	1977 - 1981	1976 - 1981	1975 - 1981	0	0	0	0
1982	487.8	1.183	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	1975 - 1982	1974 - 1982	1973 - 1982	0
1984	487.4	1.182	1983 - 1984	1982 - 1984	1981 - 1984	1980 - 1984	1979 - 1984	1978 - 1984	1977 - 1984	1976 - 1984	1975 - 1984	1974 - 1984
1985	519.5	1.260	0	0	1982 - 1985	1981 - 1985	1980 - 1985	1979 - 1985	1978 - 1985	1977 - 1985	1976 - 1985	1975 - 1985
1986	550.0	1.334	0	0	0	0	0	1980 - 1986	1979 - 1986	1978 - 1986	1977 - 1986	1976 - 1986
1987	550.4	1.335	0	0	0	0	0	0	1980 - 1987	1979 - 1987	1978 - 1987	1977 - 1987
1988	572.7	1.389	0	0	0	0	0	0	0	1980 - 1988	1979 - 1988	1978 - 1988
1989	570.1	1.383	1988 - 1989	0	0	0	0	0	0	0	1980 - 1989	1979 - 1989
1990	544.1	1.320	1989 - 1990	1988 - 1990	1987 - 1990	1986 - 1990	0	0	0	0	0	1980 - 1990
1991	563.4	1.367	0	1989 - 1991	1988 - 1991	0	0	0	0	0	0	0
1992	570.5	1.384	0	0	0	1988 - 1992	0	0	0	0	0	0
1993	583.8	1.416	0	0	0	0	0	0	0	0	0	0
1994	553.1	1.342	1993 - 1994	1992 - 1994	1991 - 1994	0	1989 - 1994	1988 - 1994	0	0	0	0
1995	583.6	1.416	0	1993 - 1995	0	0	0	0	0	0	0	0
1996	585.8	1.421	0	0	0	0	0	0	0	0	0	0
1997	579.2	1.405	1996 - 1997	1995 - 1997	0	1993 - 1997	0	0	0	0	0	0
1998	640.7	1.554	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

PENNSYLVANIA			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	414.3	1.000											
1971	449.0	1.084	8.4%										
1972	470.0	1.134	4.7%	13.4%									
1973	516.7	1.247	9.9%	15.1%	24.7%								
1974	461.5	1.114	-10.7%	-1.8%	2.8%	11.4%							
1975	441.1	1.065	-4.4%	-14.6%	-6.1%	-1.8%	6.5%						
1976	471.0	1.137	6.8%	2.1%	-8.8%	0.2%	4.9%	13.7%					
1977	488.2	1.178	3.7%	10.7%	5.8%	-5.5%	3.9%	8.7%	17.8%				
1978	480.4	1.160	-1.6%	2.0%	8.9%	4.1%	-7.0%	2.2%	7.0%	16.0%			
1979	527.6	1.273	9.8%	8.1%	12.0%	19.6%	14.3%	2.1%	12.3%	17.5%	27.3%		
1980	536.8	1.296	1.7%	11.7%	10.0%	14.0%	21.7%	16.3%	3.9%	14.2%	19.6%	29.6%	
1981	481.9	1.163	-10.2%	-8.7%	0.3%	-1.3%	2.3%	9.2%	4.4%	-6.7%	2.5%	7.3%	
1982	457.5	1.104	-5.1%	-14.8%	-13.3%	-4.8%	-6.3%	-2.9%	3.7%	-0.9%	-11.5%	-2.7%	
1984	509.2	1.229	11.3%	5.7%	-5.1%	-3.5%	6.0%	4.3%	8.1%	15.4%	10.3%	-1.5%	
1985	498.0	1.202	-2.2%	8.9%	3.3%	-7.2%	-5.6%	3.7%	2.0%	5.7%	12.9%	7.9%	
1986	488.2	1.178	-2.0%	-4.1%	6.7%	1.3%	-9.1%	-7.5%	1.6%	0.0%	3.7%	10.7%	
1987	507.3	1.224	3.9%	1.9%	-0.4%	10.9%	5.3%	-5.5%	-3.8%	5.6%	3.9%	7.7%	
1988	512.3	1.237	1.0%	4.9%	2.9%	0.6%	12.0%	6.3%	-4.6%	-2.9%	6.6%	4.9%	
1989	503.0	1.214	-1.8%	-0.8%	3.0%	1.0%	-1.2%	9.9%	4.4%	-6.3%	-4.7%	4.7%	
1990	487.6	1.177	-3.1%	-4.8%	-3.9%	-0.1%	-2.1%	-4.2%	6.6%	1.2%	-9.2%	-7.6%	
1991	486.7	1.175	-0.2%	-3.2%	-5.0%	-4.1%	-0.3%	-2.3%	-4.4%	6.4%	1.0%	-9.3%	
1992	472.0	1.139	-3.0%	-3.2%	-6.2%	-7.9%	-7.0%	-3.3%	-5.2%	-7.3%	3.2%	-2.1%	
1993	478.3	1.154	1.3%	-1.7%	-1.9%	-4.9%	-6.6%	-5.7%	-2.0%	-4.0%	-6.1%	4.5%	
1994	463.5	1.119	-3.1%	-1.8%	-4.8%	-4.9%	-7.9%	-9.5%	-8.6%	-5.1%	-6.9%	-9.0%	
1995	480.1	1.159	3.6%	0.4%	1.7%	-1.4%	-1.5%	-4.6%	-6.3%	-5.4%	-1.7%	-3.6%	
1996	493.7	1.192	2.8%	6.5%	3.2%	4.6%	1.4%	1.3%	-1.8%	-3.6%	-2.7%	1.1%	
1997	502.1	1.212	1.7%	4.6%	8.3%	5.0%	6.4%	3.2%	3.0%	-0.2%	-2.0%	-1.0%	
1998	543.6	1.312	8.3%	10.1%	13.2%	17.3%	13.7%	15.2%	11.7%	11.5%	8.1%	6.1%	
			Max	11.3%	15.1%	24.7%	19.6%	21.7%	16.3%	17.8%	17.5%	27.3%	29.6%

### Ozone Season Heat Input

PENNSYLVANIA			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	414.3	1.000											
1971	449.0	1.084	0										
1972	470.0	1.134	0	0									
1973	516.7	1.247	0	0	0								
1974	461.5	1.114	1973 - 1974	0	0	0							
1975	441.1	1.065	0	0	0	0	0						
1976	471.0	1.137	0	0	0	0	0	0					
1977	488.2	1.178	0	0	0	0	0	0	0				
1978	480.4	1.160	0	0	0	0	0	0	0	0			
1979	527.6	1.273	0	0	0	0	0	0	0	0	0		
1980	536.8	1.296	0	0	0	0	0	0	0	0	0	0	
1981	481.9	1.163	0	0	0	0	0	0	0	0	0	0	
1982	457.5	1.104	0	1980 - 1982	1979 - 1982	0	0	0	0	0	1973 - 1982	0	
1984	509.2	1.229	0	0	0	0	0	0	0	0	0	0	
1985	498.0	1.202	0	0	0	0	0	0	0	0	0	0	
1986	488.2	1.178	0	0	0	0	1981 - 1986	0	0	0	0	0	
1987	507.3	1.224	0	0	0	0	0	0	0	0	0	0	
1988	512.3	1.237	0	0	0	0	0	0	0	0	0	0	
1989	503.0	1.214	0	0	0	0	0	0	0	0	0	0	
1990	487.6	1.177	0	0	0	0	0	0	0	0	0	0	
1991	486.7	1.175	0	0	0	0	0	0	0	0	0	1981 - 1991	
1992	472.0	1.139	0	0	0	1988 - 1992	0	0	0	1984 - 1992	0	0	
1993	478.3	1.154	0	0	0	0	0	0	0	0	0	0	
1994	463.5	1.119	0	0	0	0	0	1988 - 1994	1987 - 1994	0	0	0	
1995	480.1	1.159	0	0	0	0	0	0	0	0	0	0	
1996	493.7	1.192	0	0	0	0	0	0	0	0	0	0	
1997	502.1	1.212	0	0	0	0	0	0	0	0	0	0	
1998	543.6	1.312	0	0	0	0	0	0	0	0	0	0	
			Min	-10.7%	-14.8%	-13.3%	-7.9%	-9.1%	-9.5%	-8.6%	-7.3%	-11.5%	-9.3%

### Ozone Season Heat Input

PENNSYLVANIA			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	414.3	1.000										
1971	449.0	1.084	0									
1972	470.0	1.134	0	0								
1973	516.7	1.247	0	0	0							
1974	461.5	1.114	1973 - 1974	1972 - 1974	0	0						
1975	441.1	1.065	1974 - 1975	1973 - 1975	1972 - 1975	1971 - 1975	0					
1976	471.0	1.137	0	0	1973 - 1976	0	0	0				
1977	488.2	1.178	0	0	0	1973 - 1977	0	0	0			
1978	480.4	1.160	1977 - 1978	0	0	0	1973 - 1978	0	0	0		
1979	527.6	1.273	0	0	0	0	0	0	0	0	0	
1980	536.8	1.296	0	0	0	0	0	0	0	0	0	0
1981	481.9	1.163	1980 - 1981	1979 - 1981	0	1977 - 1981	0	0	0	1973 - 1981	0	0
1982	457.5	1.104	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	0	1974 - 1982	1973 - 1982	1972 - 1982
1984	509.2	1.229	0	0	1981 - 1984	1980 - 1984	0	0	0	0	0	1974 - 1984
1985	498.0	1.202	1984 - 1985	0	0	1981 - 1985	1980 - 1985	0	0	0	0	0
1986	488.2	1.178	1985 - 1986	1984 - 1986	0	0	1981 - 1986	1980 - 1986	0	1978 - 1986	0	0
1987	507.3	1.224	0	0	1984 - 1987	0	0	1981 - 1987	1980 - 1987	0	0	0
1988	512.3	1.237	0	0	0	0	0	0	1981 - 1988	1980 - 1988	0	0
1989	503.0	1.214	1988 - 1989	1987 - 1989	0	0	1984 - 1989	0	0	1981 - 1989	1980 - 1989	0
1990	487.6	1.177	1989 - 1990	1988 - 1990	1987 - 1990	1986 - 1990	1985 - 1990	1984 - 1990	0	0	1981 - 1990	1980 - 1990
1991	486.7	1.175	1990 - 1991	1989 - 1991	1988 - 1991	1987 - 1991	1986 - 1991	1985 - 1991	1984 - 1991	0	0	1981 - 1991
1992	472.0	1.139	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	1986 - 1992	1985 - 1992	1984 - 1992	0	1982 - 1992
1993	478.3	1.154	0	1991 - 1993	1990 - 1993	1989 - 1993	1988 - 1993	1987 - 1993	1986 - 1993	1985 - 1993	1984 - 1993	0
1994	463.5	1.119	1993 - 1994	1992 - 1994	1991 - 1994	1990 - 1994	1989 - 1994	1988 - 1994	1987 - 1994	1986 - 1994	1985 - 1994	1984 - 1994
1995	480.1	1.159	0	0	0	1991 - 1995	1990 - 1995	1989 - 1995	1988 - 1995	1987 - 1995	1986 - 1995	1985 - 1995
1996	493.7	1.192	0	0	0	0	0	0	1989 - 1996	1988 - 1996	1987 - 1996	0
1997	502.1	1.212	0	0	0	0	0	0	0	1989 - 1997	1988 - 1997	1987 - 1997
1998	543.6	1.312	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

RHODE ISLAND			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	7.5	1.000											
1971	7.4	0.987	-1.3%										
1972	5.5	0.733	-25.7%	-26.7%									
1973	5.8	0.773	5.5%	-21.6%	-22.7%								
1974	7.1	0.947	22.4%	29.1%	-4.1%	-5.3%							
1975	2.5	0.333	-64.8%	-56.9%	-54.5%	-66.2%	-66.7%						
1976	1.5	0.200	-40.0%	-78.9%	-74.1%	-72.7%	-79.7%	-80.0%					
1977	2.9	0.387	93.3%	16.0%	-59.2%	-50.0%	-47.3%	-60.8%	-61.3%				
1978	2.5	0.333	-13.8%	66.7%	0.0%	-64.8%	-56.9%	-54.5%	-66.2%	-66.7%			
1979	3.3	0.440	32.0%	13.8%	120.0%	32.0%	-53.5%	-43.1%	-40.0%	-55.4%	-56.0%		
1980	4.8	0.640	45.5%	92.0%	65.5%	220.0%	92.0%	-32.4%	-17.2%	-12.7%	-35.1%	-36.0%	
1981	5.3	0.707	10.4%	60.6%	112.0%	82.8%	253.3%	112.0%	-25.4%	-8.6%	-3.6%	-28.4%	
1982	1.6	0.213	-69.8%	-66.7%	-51.5%	-36.0%	-44.8%	6.7%	-36.0%	-77.5%	-72.4%	-70.9%	
1984	3.9	0.520	143.8%	-26.4%	-18.8%	18.2%	56.0%	34.5%	160.0%	56.0%	-45.1%	-32.8%	
1985	2.7	0.360	-30.8%	68.8%	-49.1%	-43.8%	-18.2%	8.0%	-6.9%	80.0%	8.0%	-62.0%	
1986	3.3	0.440	22.2%	-15.4%	106.3%	-37.7%	-31.3%	0.0%	32.0%	13.8%	120.0%	32.0%	
1987	4.8	0.640	45.5%	77.8%	23.1%	200.0%	-9.4%	0.0%	45.5%	92.0%	65.5%	220.0%	
1988	2.8	0.373	-41.7%	-15.2%	3.7%	-28.2%	75.0%	-47.2%	-41.7%	-15.2%	12.0%	-3.4%	
1989	2.2	0.293	-21.4%	-54.2%	-33.3%	-18.5%	-43.6%	37.5%	-58.5%	-54.2%	-33.3%	-12.0%	
1990	4.3	0.573	95.5%	53.6%	-10.4%	30.3%	59.3%	10.3%	168.8%	-18.9%	-10.4%	30.3%	
1991	1.3	0.173	-69.8%	-40.9%	-53.6%	-72.9%	-60.6%	-51.9%	-66.7%	-18.8%	-75.5%	-72.9%	
1992	0.4	0.053	-69.2%	-90.7%	-81.8%	-85.7%	-91.7%	-87.9%	-85.2%	-89.7%	-75.0%	-92.5%	
1993	0.3	0.040	-25.0%	-76.9%	-93.0%	-86.4%	-89.3%	-93.8%	-90.9%	-88.9%	-92.3%	-81.3%	
1994	0.5	0.067	66.7%	25.0%	-61.5%	-88.4%	-77.3%	-82.1%	-89.6%	-84.8%	-81.5%	-87.2%	
1995	1.1	0.147	120.0%	266.7%	175.0%	-15.4%	-74.4%	-50.0%	-60.7%	-77.1%	-66.7%	-59.3%	
1996	11.5	1.533	945.5%	2200.0%	3733.3%	2775.0%	784.6%	167.4%	422.7%	310.7%	139.6%	248.5%	
1997	12.0	1.600	4.3%	990.9%	2300.0%	3900.0%	2900.0%	823.1%	179.1%	445.5%	328.6%	150.0%	
1998	8.2	1.093	-31.7%	-28.7%	645.5%	1540.0%	2633.3%	1950.0%	530.8%	90.7%	272.7%	192.9%	
			Max	945.5%	2200.0%	3733.3%	3900.0%	2900.0%	1950.0%	530.8%	445.5%	328.6%	248.5%

### Ozone Season Heat Input

RHODE ISLAND			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	7.5	1.000											
1971	7.4	0.987	0										
1972	5.5	0.733	0	0									
1973	5.8	0.773	0	0	0								
1974	7.1	0.947	0	0	0	0							
1975	2.5	0.333	0	0	0	0	0						
1976	1.5	0.200	0	0	0	0	0	0					
1977	2.9	0.387	0	0	0	0	0	0	0				
1978	2.5	0.333	0	0	0	0	0	0	0	0			
1979	3.3	0.440	0	0	0	0	0	0	0	0	0		
1980	4.8	0.640	0	0	0	0	0	0	0	0	0	0	
1981	5.3	0.707	0	0	0	0	0	0	0	0	0	0	
1982	1.6	0.213	1981 - 1982	0	0	0	0	0	0	0	0	0	
1984	3.9	0.520	0	0	0	0	0	0	0	0	0	0	
1985	2.7	0.360	0	0	0	0	0	0	0	0	0	0	
1986	3.3	0.440	0	0	0	0	0	0	0	0	0	0	
1987	4.8	0.640	0	0	0	0	0	0	0	0	0	0	
1988	2.8	0.373	0	0	0	0	0	0	0	0	0	0	
1989	2.2	0.293	0	0	0	0	0	0	0	0	0	0	
1990	4.3	0.573	0	0	0	0	0	0	0	0	0	0	
1991	1.3	0.173	0	0	0	0	0	0	0	0	0	0	
1992	0.4	0.053	0	1990 - 1992	0	0	1987 - 1992	0	0	1984 - 1992	0	1982 - 1992	
1993	0.3	0.040	0	0	1990 - 1993	0	0	1987 - 1993	1986 - 1993	0	1984 - 1993	0	
1994	0.5	0.067	0	0	0	1990 - 1994	0	0	0	0	0	0	
1995	1.1	0.147	0	0	0	0	0	0	0	0	0	0	
1996	11.5	1.533	0	0	0	0	0	0	0	0	0	0	
1997	12.0	1.600	0	0	0	0	0	0	0	0	0	0	
1998	8.2	1.093	0	0	0	0	0	0	0	0	0	0	
			Min	-69.8%	-90.7%	-93.0%	-88.4%	-91.7%	-93.8%	-90.9%	-89.7%	-92.3%	-92.5%

### Ozone Season Heat Input

RHODE ISLAND			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	7.5	1.000										
1971	7.4	0.987	1970 - 1971									
1972	5.5	0.733	1971 - 1972	1970 - 1972								
1973	5.8	0.773	0	1971 - 1973	1970 - 1973							
1974	7.1	0.947	0	0	1971 - 1974	1970 - 1974						
1975	2.5	0.333	1974 - 1975	1973 - 1975	1972 - 1975	1971 - 1975	1970 - 1975					
1976	1.5	0.200	1975 - 1976	1974 - 1976	1973 - 1976	1972 - 1976	1971 - 1976	1970 - 1976				
1977	2.9	0.387	0	0	1974 - 1977	1973 - 1977	1972 - 1977	1971 - 1977	1970 - 1977			
1978	2.5	0.333	1977 - 1978	0	1975 - 1978	1974 - 1978	1973 - 1978	1972 - 1978	1971 - 1978	1970 - 1978		
1979	3.3	0.440	0	0	0	0	1974 - 1979	1973 - 1979	1972 - 1979	1971 - 1979	1970 - 1979	
1980	4.8	0.640	0	0	0	0	0	1974 - 1980	1973 - 1980	1972 - 1980	1971 - 1980	1970 - 1980
1981	5.3	0.707	0	0	0	0	0	0	1974 - 1981	1973 - 1981	1972 - 1981	1971 - 1981
1982	1.6	0.213	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	0	1975 - 1982	1974 - 1982	1973 - 1982	1972 - 1982
1984	3.9	0.520	0	1982 - 1984	1981 - 1984	0	0	0	0	0	1975 - 1984	1974 - 1984
1985	2.7	0.360	1984 - 1985	0	1982 - 1985	1981 - 1985	1980 - 1985	0	1978 - 1985	0	0	1975 - 1985
1986	3.3	0.440	0	1984 - 1986	0	1982 - 1986	1981 - 1986	1980 - 1986	0	0	0	0
1987	4.8	0.640	0	0	0	0	1982 - 1987	1981 - 1987	0	0	0	0
1988	2.8	0.373	1987 - 1988	1986 - 1988	0	1984 - 1988	0	1982 - 1988	1981 - 1988	1980 - 1988	0	1978 - 1988
1989	2.2	0.293	1988 - 1989	1987 - 1989	1986 - 1989	1985 - 1989	1984 - 1989	0	1982 - 1989	1981 - 1989	1980 - 1989	1979 - 1989
1990	4.3	0.573	0	0	1987 - 1990	0	0	0	0	1982 - 1990	1981 - 1990	0
1991	1.3	0.173	1990 - 1991	1989 - 1991	1988 - 1991	1987 - 1991	1986 - 1991	1985 - 1991	1984 - 1991	1983 - 1991	1982 - 1991	1981 - 1991
1992	0.4	0.053	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	1986 - 1992	1985 - 1992	1984 - 1992	1983 - 1992	1982 - 1992
1993	0.3	0.040	1992 - 1993	1991 - 1993	1990 - 1993	1989 - 1993	1988 - 1993	1987 - 1993	1986 - 1993	1985 - 1993	1984 - 1993	1983 - 1993
1994	0.5	0.067	0	0	1991 - 1994	1990 - 1994	1989 - 1994	1988 - 1994	1987 - 1994	1986 - 1994	1985 - 1994	1984 - 1994
1995	1.1	0.147	0	0	0	1991 - 1995	1990 - 1995	1989 - 1995	1988 - 1995	1987 - 1995	1986 - 1995	1985 - 1995
1996	11.5	1.533	0	0	0	0	0	0	0	0	0	0
1997	12.0	1.600	0	0	0	0	0	0	0	0	0	0
1998	8.2	1.093	1997 - 1998	1996 - 1998	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

SOUTH CAROLINA			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	74.8	1.000											
1971	78.7	1.052	5.2%										
1972	84.7	1.132	7.6%	13.2%									
1973	94.2	1.259	11.2%	19.7%	25.9%								
1974	86.1	1.151	-8.6%	1.7%	9.4%	15.1%							
1975	76.5	1.023	-11.1%	-18.8%	-9.7%	-2.8%	2.3%						
1976	77.9	1.041	1.8%	-9.5%	-17.3%	-8.0%	-1.0%	4.1%					
1977	101.5	1.357	30.3%	32.7%	17.9%	7.7%	19.8%	29.0%	35.7%				
1978	97.4	1.302	-4.0%	25.0%	27.3%	13.1%	3.4%	15.0%	23.8%	30.2%			
1979	98.2	1.313	0.8%	-3.3%	26.1%	28.4%	14.1%	4.2%	15.9%	24.8%	31.3%		
1980	110.2	1.473	12.2%	13.1%	8.6%	41.5%	44.1%	28.0%	17.0%	30.1%	40.0%	47.3%	
1981	114.4	1.529	3.8%	16.5%	17.5%	12.7%	46.9%	49.5%	32.9%	21.4%	35.1%	45.4%	
1982	108.0	1.444	-5.6%	-2.0%	10.0%	10.9%	6.4%	38.6%	41.2%	25.4%	14.6%	27.5%	
1984	86.7	1.159	-19.7%	-24.2%	-21.3%	-11.7%	-11.0%	-14.6%	11.3%	13.3%	0.7%	-8.0%	
1985	97.0	1.297	11.9%	-10.2%	-15.2%	-12.0%	-1.2%	-0.4%	-4.4%	24.5%	26.8%	12.7%	
1986	103.7	1.386	6.9%	19.6%	-4.0%	-9.4%	-5.9%	5.6%	6.5%	2.2%	33.1%	35.6%	
1987	122.6	1.639	18.2%	26.4%	41.4%	13.5%	7.2%	11.3%	24.8%	25.9%	20.8%	57.4%	
1988	113.2	1.513	-7.7%	9.2%	16.7%	30.6%	4.8%	-1.0%	2.7%	15.3%	16.2%	11.5%	
1989	117.9	1.576	4.2%	-3.8%	13.7%	21.5%	36.0%	9.2%	3.1%	7.0%	20.1%	21.0%	
1990	127.1	1.699	7.8%	12.3%	3.7%	22.6%	31.0%	46.6%	17.7%	11.1%	15.3%	29.4%	
1991	117.7	1.574	-7.4%	-0.2%	4.0%	-4.0%	13.5%	21.3%	35.8%	9.0%	2.9%	6.8%	
1992	121.9	1.630	3.6%	-4.1%	3.4%	7.7%	-0.6%	17.6%	25.7%	40.6%	12.9%	6.6%	
1993	134.2	1.794	10.1%	14.0%	5.6%	13.8%	18.6%	9.5%	29.4%	38.4%	54.8%	24.3%	
1994	127.5	1.705	-5.0%	4.6%	8.3%	0.3%	8.1%	12.6%	4.0%	23.0%	31.4%	47.1%	
1995	133.8	1.789	4.9%	-0.3%	9.8%	13.7%	5.3%	13.5%	18.2%	9.1%	29.0%	37.9%	
1996	149.9	2.004	12.0%	17.6%	11.7%	23.0%	27.4%	17.9%	27.1%	32.4%	22.3%	44.6%	
1997	149.0	1.992	-0.6%	11.4%	16.9%	11.0%	22.2%	26.6%	17.2%	26.4%	31.6%	21.5%	
1998	176.3	2.357	18.3%	17.6%	31.8%	38.3%	31.4%	44.6%	49.8%	38.7%	49.5%	55.7%	
			Max	30.3%	32.7%	41.4%	41.5%	46.9%	49.5%	49.8%	40.6%	54.8%	57.4%

### Ozone Season Heat Input

SOUTH CAROLINA			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	74.8	1.000											
1971	78.7	1.052	0										
1972	84.7	1.132	0	0									
1973	94.2	1.259	0	0	0								
1974	86.1	1.151	0	0	0	0							
1975	76.5	1.023	0	0	0	0	0						
1976	77.9	1.041	0	0	0	0	0	0					
1977	101.5	1.357	0	0	0	0	0	0	0				
1978	97.4	1.302	0	0	0	0	0	0	0	0			
1979	98.2	1.313	0	0	0	0	0	0	0	0	0		
1980	110.2	1.473	0	0	0	0	0	0	0	0	0	0	
1981	114.4	1.529	0	0	0	0	0	0	0	0	0	0	
1982	108.0	1.444	0	0	0	0	0	0	0	0	0	0	
1984	86.7	1.159	1983 - 1984	1982 - 1984	1981 - 1984	0	1979 - 1984	1978 - 1984	0	0	1975 - 1984	1974 - 1984	
1985	97.0	1.297	0	0	0	1981 - 1985	0	0	1978 - 1985	0	0	0	
1986	103.7	1.386	0	0	0	0	0	0	0	1978 - 1986	0	0	
1987	122.6	1.639	0	0	0	0	0	0	0	0	0	0	
1988	113.2	1.513	0	0	0	0	0	0	0	0	0	0	
1989	117.9	1.576	0	0	0	0	0	0	0	0	0	0	
1990	127.1	1.699	0	0	0	0	0	0	0	0	0	0	
1991	117.7	1.574	0	0	0	0	0	0	0	0	0	0	
1992	121.9	1.630	0	0	0	0	0	0	0	0	0	0	
1993	134.2	1.794	0	0	0	0	0	0	0	0	0	0	
1994	127.5	1.705	0	0	0	0	0	0	0	0	0	0	
1995	133.8	1.789	0	0	0	0	0	0	0	0	0	0	
1996	149.9	2.004	0	0	0	0	0	0	0	0	0	0	
1997	149.0	1.992	0	0	0	0	0	0	0	0	0	0	
1998	176.3	2.357	0	0	0	0	0	0	0	0	0	0	
			Min	-19.7%	-24.2%	-21.3%	-12.0%	-11.0%	-14.6%	-4.4%	2.2%	0.7%	-8.0%

### Ozone Season Heat Input

SOUTH CAROLINA			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	74.8	1.000										
1971	78.7	1.052	0									
1972	84.7	1.132	0	0								
1973	94.2	1.259	0	0	0							
1974	86.1	1.151	1973 - 1974	0	0	0						
1975	76.5	1.023	1974 - 1975	1973 - 1975	1972 - 1975	1971 - 1975	0					
1976	77.9	1.041	0	1974 - 1976	1973 - 1976	1972 - 1976	1971 - 1976	0				
1977	101.5	1.357	0	0	0	0	0	0	0			
1978	97.4	1.302	1977 - 1978	0	0	0	0	0	0	0		
1979	98.2	1.313	0	1977 - 1979	0	0	0	0	0	0	0	
1980	110.2	1.473	0	0	0	0	0	0	0	0	0	0
1981	114.4	1.529	0	0	0	0	0	0	0	0	0	0
1982	108.0	1.444	1981 - 1982	1980 - 1982	0	0	0	0	0	0	0	0
1984	86.7	1.159	1983 - 1984	1982 - 1984	1981 - 1984	1980 - 1984	1979 - 1984	1978 - 1984	0	0	0	1974 - 1984
1985	97.0	1.297	0	1983 - 1985	1982 - 1985	1981 - 1985	1980 - 1985	1979 - 1985	1978 - 1985	0	0	0
1986	103.7	1.386	0	0	1983 - 1986	1982 - 1986	1981 - 1986	0	0	0	0	0
1987	122.6	1.639	0	0	0	0	0	0	0	0	0	0
1988	113.2	1.513	1987 - 1988	0	0	0	0	1982 - 1988	0	0	0	0
1989	117.9	1.576	0	1987 - 1989	0	0	0	0	0	0	0	0
1990	127.1	1.699	0	0	0	0	0	0	0	0	0	0
1991	117.7	1.574	1990 - 1991	1989 - 1991	0	1987 - 1991	0	0	0	0	0	0
1992	121.9	1.630	0	1990 - 1992	0	0	1987 - 1992	0	0	0	0	0
1993	134.2	1.794	0	0	0	0	0	0	0	0	0	0
1994	127.5	1.705	1993 - 1994	0	0	0	0	0	0	0	0	0
1995	133.8	1.789	0	1993 - 1995	0	0	0	0	0	0	0	0
1996	149.9	2.004	0	0	0	0	0	0	0	0	0	0
1997	149.0	1.992	1996 - 1997	0	0	0	0	0	0	0	0	0
1998	176.3	2.357	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

TENNESSEE			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	184.0	1.000											
1971	175.7	0.955	-4.5%										
1972	215.4	1.171	22.6%	17.1%									
1973	237.1	1.289	10.1%	34.9%	28.9%								
1974	236.2	1.284	-0.4%	9.7%	34.4%	28.4%							
1975	222.7	1.210	-5.7%	-6.1%	3.4%	26.8%	21.0%						
1976	267.4	1.453	20.1%	13.2%	12.8%	24.1%	52.2%	45.3%					
1977	277.1	1.506	3.6%	24.4%	17.3%	16.9%	28.6%	57.7%	50.6%				
1978	275.5	1.497	-0.6%	3.0%	23.7%	16.6%	16.2%	27.9%	56.8%	49.7%			
1979	231.5	1.258	-16.0%	-16.5%	-13.4%	4.0%	-2.0%	-2.4%	7.5%	31.8%	25.8%		
1980	254.8	1.385	10.1%	-7.5%	-8.0%	-4.7%	14.4%	7.9%	7.5%	18.3%	45.0%	38.5%	
1981	246.8	1.341	-3.1%	6.6%	-10.4%	-10.9%	-7.7%	10.8%	4.5%	4.1%	14.6%	40.5%	
1982	186.5	1.014	-24.4%	-26.8%	-19.4%	-32.3%	-32.7%	-30.3%	-16.3%	-21.0%	-21.3%	-13.4%	
1984	214.2	1.164	14.9%	-13.2%	-15.9%	-7.5%	-22.3%	-22.7%	-19.9%	-3.8%	-9.3%	-9.7%	
1985	240.8	1.309	12.4%	29.1%	-2.4%	-5.5%	4.0%	-12.6%	-13.1%	-9.9%	8.1%	1.9%	
1986	237.8	1.292	-1.2%	11.0%	27.5%	-3.6%	-6.7%	2.7%	-13.7%	-14.2%	-11.1%	6.8%	
1987	237.5	1.291	-0.1%	-1.4%	10.9%	27.3%	-3.8%	-6.8%	2.6%	-13.8%	-14.3%	-11.2%	
1988	229.9	1.249	-3.2%	-3.3%	-4.5%	7.3%	23.3%	-6.8%	-9.8%	-0.7%	-16.6%	-17.0%	
1989	210.8	1.146	-8.3%	-11.2%	-11.4%	-12.5%	-1.6%	13.0%	-14.6%	-17.3%	-8.9%	-23.5%	
1990	237.1	1.289	12.5%	3.1%	-0.2%	-0.3%	-1.5%	10.7%	27.1%	-3.9%	-6.9%	2.4%	
1991	236.8	1.287	-0.1%	12.3%	3.0%	-0.3%	-0.4%	-1.7%	10.6%	27.0%	-4.1%	-7.1%	
1992	237.9	1.293	0.5%	0.3%	12.9%	3.5%	0.2%	0.0%	-1.2%	11.1%	27.6%	-3.6%	
1993	291.3	1.583	22.4%	23.0%	22.9%	38.2%	26.7%	22.7%	22.5%	21.0%	36.0%	56.2%	
1994	264.2	1.436	-9.3%	11.1%	11.6%	11.4%	25.3%	14.9%	11.2%	11.1%	9.7%	23.3%	
1995	272.5	1.481	3.1%	-6.5%	14.5%	15.1%	14.9%	29.3%	18.5%	14.7%	14.6%	13.2%	
1996	271.6	1.476	-0.3%	2.8%	-6.8%	14.2%	14.7%	14.6%	28.8%	18.1%	14.4%	14.2%	
1997	272.5	1.481	0.3%	0.0%	3.1%	-6.5%	14.5%	15.1%	14.9%	29.3%	18.5%	14.7%	
1998	295.3	1.605	8.4%	8.7%	8.4%	11.8%	1.4%	24.1%	24.7%	24.5%	40.1%	28.4%	
			Max	22.6%	34.9%	34.4%	38.2%	52.2%	57.7%	56.8%	49.7%	45.0%	56.2%

### Ozone Season Heat Input

TENNESSEE			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	184.0	1.000											
1971	175.7	0.955	0										
1972	215.4	1.171	0	0									
1973	237.1	1.289	0	0	0								
1974	236.2	1.284	0	0	0	0							
1975	222.7	1.210	0	0	0	0	0						
1976	267.4	1.453	0	0	0	0	0	0					
1977	277.1	1.506	0	0	0	0	0	0	0				
1978	275.5	1.497	0	0	0	0	0	0	0	0			
1979	231.5	1.258	0	0	0	0	0	0	0	0	0		
1980	254.8	1.385	0	0	0	0	0	0	0	0	0	0	
1981	246.8	1.341	0	0	0	0	0	0	0	0	0	0	
1982	186.5	1.014	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	0	1974 - 1982	1973 - 1982	0	
1984	214.2	1.164	0	0	0	0	0	0	1977 - 1984	0	0	0	
1985	240.8	1.309	0	0	0	0	0	0	0	0	0	0	
1986	237.8	1.292	0	0	0	0	0	0	0	0	0	0	
1987	237.5	1.291	0	0	0	0	0	0	0	0	0	0	
1988	229.9	1.249	0	0	0	0	0	0	0	0	0	0	
1989	210.8	1.146	0	0	0	0	0	0	0	0	0	1979 - 1989	
1990	237.1	1.289	0	0	0	0	0	0	0	0	0	0	
1991	236.8	1.287	0	0	0	0	0	0	0	0	0	0	
1992	237.9	1.293	0	0	0	0	0	0	0	0	0	0	
1993	291.3	1.583	0	0	0	0	0	0	0	0	0	0	
1994	264.2	1.436	0	0	0	0	0	0	0	0	0	0	
1995	272.5	1.481	0	0	0	0	0	0	0	0	0	0	
1996	271.6	1.476	0	0	0	0	0	0	0	0	0	0	
1997	272.5	1.481	0	0	0	0	0	0	0	0	0	0	
1998	295.3	1.605	0	0	0	0	0	0	0	0	0	0	
			Min	-24.4%	-26.8%	-19.4%	-32.3%	-32.7%	-30.3%	-19.9%	-21.0%	-21.3%	-23.5%

### Ozone Season Heat Input

TENNESSEE			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	184.0	1.000										
1971	175.7	0.955	1970 - 1971									
1972	215.4	1.171	0	0								
1973	237.1	1.289	0	0	0							
1974	236.2	1.284	1973 - 1974	0	0	0						
1975	222.7	1.210	1974 - 1975	1973 - 1975	0	0	0					
1976	267.4	1.453	0	0	0	0	0	0				
1977	277.1	1.506	0	0	0	0	0	0	0			
1978	275.5	1.497	1977 - 1978	0	0	0	0	0	0	0		
1979	231.5	1.258	1978 - 1979	1977 - 1979	1976 - 1979	0	1974 - 1979	1973 - 1979	0	0	0	
1980	254.8	1.385	0	1978 - 1980	1977 - 1980	1976 - 1980	0	0	0	0	0	0
1981	246.8	1.341	1980 - 1981	0	1978 - 1981	1977 - 1981	1976 - 1981	0	0	0	0	0
1982	186.5	1.014	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	1975 - 1982	1974 - 1982	1973 - 1982	1972 - 1982
1984	214.2	1.164	0	1982 - 1984	1981 - 1984	1980 - 1984	1979 - 1984	1978 - 1984	1977 - 1984	1976 - 1984	1975 - 1984	1974 - 1984
1985	240.8	1.309	0	0	1982 - 1985	1981 - 1985	0	1979 - 1985	1978 - 1985	1977 - 1985	0	0
1986	237.8	1.292	1985 - 1986	0	0	1982 - 1986	1981 - 1986	0	1979 - 1986	1978 - 1986	1977 - 1986	0
1987	237.5	1.291	1986 - 1987	1985 - 1987	0	0	1982 - 1987	1981 - 1987	0	1979 - 1987	1978 - 1987	1977 - 1987
1988	229.9	1.249	1987 - 1988	1986 - 1988	1985 - 1988	0	0	1982 - 1988	1981 - 1988	1980 - 1988	1979 - 1988	1978 - 1988
1989	210.8	1.146	1988 - 1989	1987 - 1989	1986 - 1989	1985 - 1989	1984 - 1989	0	1982 - 1989	1981 - 1989	1980 - 1989	1979 - 1989
1990	237.1	1.289	0	0	1987 - 1990	1986 - 1990	1985 - 1990	0	0	1982 - 1990	1981 - 1990	0
1991	236.8	1.287	1990 - 1991	0	0	1987 - 1991	1986 - 1991	1985 - 1991	0	0	1982 - 1991	1981 - 1991
1992	237.9	1.293	0	0	0	0	0	0	1985 - 1992	0	0	1982 - 1992
1993	291.3	1.583	0	0	0	0	0	0	0	0	0	0
1994	264.2	1.436	1993 - 1994	0	0	0	0	0	0	0	0	0
1995	272.5	1.481	0	1993 - 1995	0	0	0	0	0	0	0	0
1996	271.6	1.476	1995 - 1996	0	1993 - 1996	0	0	0	0	0	0	0
1997	272.5	1.481	0	1995 - 1997	0	1993 - 1997	0	0	0	0	0	0
1998	295.3	1.605	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

VIRGINIA			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	120.8	1.000											
1971	121.5	1.006	0.6%										
1972	119.1	0.986	-2.0%	-1.4%									
1973	127.7	1.057	7.2%	5.1%	5.7%								
1974	118.6	0.982	-7.1%	-0.4%	-2.4%	-1.8%							
1975	112.8	0.934	-4.9%	-11.7%	-5.3%	-7.2%	-6.6%						
1976	117.2	0.970	3.9%	-1.2%	-8.2%	-1.6%	-3.5%	-3.0%					
1977	122.5	1.014	4.5%	8.6%	3.3%	-4.1%	2.9%	0.8%	1.4%				
1978	107.1	0.887	-12.6%	-8.6%	-5.1%	-9.7%	-16.1%	-10.1%	-11.9%	-11.3%			
1979	114.6	0.949	7.0%	-6.4%	-2.2%	1.6%	-3.4%	-10.3%	-3.8%	-5.7%	-5.1%		
1980	100.7	0.834	-12.1%	-6.0%	-17.8%	-14.1%	-10.7%	-15.1%	-21.1%	-15.4%	-17.1%	-16.6%	
1981	90.6	0.750	-10.0%	-20.9%	-15.4%	-26.0%	-22.7%	-19.7%	-23.6%	-29.1%	-23.9%	-25.4%	
1982	87.2	0.722	-3.8%	-13.4%	-23.9%	-18.6%	-28.8%	-25.6%	-22.7%	-26.5%	-31.7%	-26.8%	
1984	93.2	0.772	6.9%	2.9%	-7.4%	-18.7%	-13.0%	-23.9%	-20.5%	-17.4%	-21.4%	-27.0%	
1985	85.5	0.708	-8.3%	-1.9%	-5.6%	-15.1%	-25.4%	-20.2%	-30.2%	-27.0%	-24.2%	-27.9%	
1986	106.4	0.881	24.4%	14.2%	22.0%	17.4%	5.7%	-7.2%	-0.7%	-13.1%	-9.2%	-5.7%	
1987	124.9	1.034	17.4%	46.1%	34.0%	43.2%	37.9%	24.0%	9.0%	16.6%	2.0%	6.6%	
1988	111.4	0.922	-10.8%	4.7%	30.3%	19.5%	27.8%	23.0%	10.6%	-2.8%	4.0%	-9.1%	
1989	127.0	1.051	14.0%	1.7%	19.4%	48.5%	36.3%	45.6%	40.2%	26.1%	10.8%	18.6%	
1990	109.1	0.903	-14.1%	-2.1%	-12.7%	2.5%	27.6%	17.1%	25.1%	20.4%	8.3%	-4.8%	
1991	125.5	1.039	15.0%	-1.2%	12.7%	0.5%	18.0%	46.8%	34.7%	43.9%	38.5%	24.6%	
1992	101.8	0.843	-18.9%	-6.7%	-19.8%	-8.6%	-18.5%	-4.3%	19.1%	9.2%	16.7%	12.4%	
1993	122.7	1.016	20.5%	-2.2%	12.5%	-3.4%	10.1%	-1.8%	15.3%	43.5%	31.7%	40.7%	
1994	119.5	0.989	-2.6%	17.4%	-4.8%	9.5%	-5.9%	7.3%	-4.3%	12.3%	39.8%	28.2%	
1995	120.0	0.993	0.4%	-2.2%	17.9%	-4.4%	10.0%	-5.5%	7.7%	-3.9%	12.8%	40.4%	
1996	134.6	1.114	12.2%	12.6%	9.7%	32.2%	7.3%	23.4%	6.0%	20.8%	7.8%	26.5%	
1997	143.4	1.187	6.5%	19.5%	20.0%	16.9%	40.9%	14.3%	31.4%	12.9%	28.7%	14.8%	
1998	179.9	1.489	25.5%	33.7%	49.9%	50.5%	46.6%	76.7%	43.3%	64.9%	41.7%	61.5%	
			Max	25.5%	46.1%	49.9%	50.5%	46.6%	76.7%	43.3%	64.9%	41.7%	61.5%

### Ozone Season Heat Input

VIRGINIA			Period of Maximum Decline										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	120.8	1.000											
1971	121.5	1.006	0										
1972	119.1	0.986	0	0									
1973	127.7	1.057	0	0	0								
1974	118.6	0.982	0	0	0	0							
1975	112.8	0.934	0	0	0	0	0						
1976	117.2	0.970	0	0	0	0	0	0					
1977	122.5	1.014	0	0	0	0	0	0	0				
1978	107.1	0.887	0	0	0	0	0	0	0	0			
1979	114.6	0.949	0	0	0	0	0	0	0	0	0		
1980	100.7	0.834	0	0	0	0	0	0	0	0	0	0	
1981	90.6	0.750	0	1979 - 1981	0	1977 - 1981	0	0	0	1973 - 1981	0	0	
1982	87.2	0.722	0	0	1979 - 1982	0	1977 - 1982	1976 - 1982	0	0	1973 - 1982	0	
1984	93.2	0.772	0	0	0	0	0	0	0	0	0	0	
1985	85.5	0.708	0	0	0	0	0	0	1978 - 1985	0	0	1975 - 1985	
1986	106.4	0.881	0	0	0	0	0	0	0	0	0	0	
1987	124.9	1.034	0	0	0	0	0	0	0	0	0	0	
1988	111.4	0.922	0	0	0	0	0	0	0	0	0	0	
1989	127.0	1.051	0	0	0	0	0	0	0	0	0	0	
1990	109.1	0.903	0	0	0	0	0	0	0	0	0	0	
1991	125.5	1.039	0	0	0	0	0	0	0	0	0	0	
1992	101.8	0.843	1991 - 1992	0	0	0	0	0	0	0	0	0	
1993	122.7	1.016	0	0	0	0	0	0	0	0	0	0	
1994	119.5	0.989	0	0	0	0	0	0	0	0	0	0	
1995	120.0	0.993	0	0	0	0	0	0	0	0	0	0	
1996	134.6	1.114	0	0	0	0	0	0	0	0	0	0	
1997	143.4	1.187	0	0	0	0	0	0	0	0	0	0	
1998	179.9	1.489	0	0	0	0	0	0	0	0	0	0	
			Min	-18.9%	-20.9%	-23.9%	-26.0%	-28.8%	-25.6%	-30.2%	-29.1%	-31.7%	-27.9%

### Ozone Season Heat Input

VIRGINIA			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	120.8	1.000										
1971	121.5	1.006	0									
1972	119.1	0.986	1971 - 1972	1970 - 1972								
1973	127.7	1.057	0	0	0							
1974	118.6	0.982	1973 - 1974	1972 - 1974	1971 - 1974	1970 - 1974						
1975	112.8	0.934	1974 - 1975	1973 - 1975	1972 - 1975	1971 - 1975	1970 - 1975					
1976	117.2	0.970	0	1974 - 1976	1973 - 1976	1972 - 1976	1971 - 1976	1970 - 1976				
1977	122.5	1.014	0	0	0	1973 - 1977	0	0	0			
1978	107.1	0.887	1977 - 1978	1976 - 1978	1975 - 1978	1974 - 1978	1973 - 1978	1972 - 1978	1971 - 1978	1970 - 1978		
1979	114.6	0.949	0	1977 - 1979	1976 - 1979	0	1974 - 1979	1973 - 1979	1972 - 1979	1971 - 1979	1970 - 1979	
1980	100.7	0.834	1979 - 1980	1978 - 1980	1977 - 1980	1976 - 1980	1975 - 1980	1974 - 1980	1973 - 1980	1972 - 1980	1971 - 1980	1970 - 1980
1981	90.6	0.750	1980 - 1981	1979 - 1981	1978 - 1981	1977 - 1981	1976 - 1981	1975 - 1981	1974 - 1981	1973 - 1981	1972 - 1981	1971 - 1981
1982	87.2	0.722	1981 - 1982	1980 - 1982	1979 - 1982	1978 - 1982	1977 - 1982	1976 - 1982	1975 - 1982	1974 - 1982	1973 - 1982	1972 - 1982
1984	93.2	0.772	0	0	1981 - 1984	1980 - 1984	1979 - 1984	1978 - 1984	1977 - 1984	1976 - 1984	1975 - 1984	1974 - 1984
1985	85.5	0.708	1984 - 1985	1983 - 1985	1982 - 1985	1981 - 1985	1980 - 1985	1979 - 1985	1978 - 1985	1977 - 1985	1976 - 1985	1975 - 1985
1986	106.4	0.881	0	0	0	0	0	1980 - 1986	1979 - 1986	1978 - 1986	1977 - 1986	1976 - 1986
1987	124.9	1.034	0	0	0	0	0	0	0	0	0	0
1988	111.4	0.922	1987 - 1988	0	0	0	0	0	0	1980 - 1988	0	1978 - 1988
1989	127.0	1.051	0	0	0	0	0	0	0	0	0	0
1990	109.1	0.903	1989 - 1990	1988 - 1990	1987 - 1990	0	0	0	0	0	0	1980 - 1990
1991	125.5	1.039	0	1989 - 1991	0	0	0	0	0	0	0	0
1992	101.8	0.843	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	1986 - 1992	0	0	0	0
1993	122.7	1.016	0	1991 - 1993	0	1989 - 1993	0	1987 - 1993	0	0	0	0
1994	119.5	0.989	1993 - 1994	0	1991 - 1994	0	1989 - 1994	0	1987 - 1994	0	0	0
1995	120.0	0.993	0	1993 - 1995	0	1991 - 1995	0	1989 - 1995	0	1987 - 1995	0	0
1996	134.6	1.114	0	0	0	0	0	0	0	0	0	0
1997	143.4	1.187	0	0	0	0	0	0	0	0	0	0
1998	179.9	1.489	0	0	0	0	0	0	0	0	0	0

### Ozone Season Heat Input

WEST VIRGINIA			Percentage Change Annual Heat Input										
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR	
1970	177.6	1.000											
1971	191.1	1.076	7.6%										
1972	224.1	1.262	17.3%	26.2%									
1973	259.5	1.461	15.8%	35.8%	46.1%								
1974	281.3	1.584	8.4%	25.5%	47.2%	58.4%							
1975	276.7	1.558	-1.6%	6.6%	23.5%	44.8%	55.8%						
1976	294.6	1.659	6.5%	4.7%	13.5%	31.5%	54.2%	65.9%					
1977	312.9	1.762	6.2%	13.1%	11.2%	20.6%	39.6%	63.7%	76.2%				
1978	312.1	1.757	-0.3%	5.9%	12.8%	10.9%	20.3%	39.3%	63.3%	75.7%			
1979	305.1	1.718	-2.2%	-2.5%	3.6%	10.3%	8.5%	17.6%	36.1%	59.7%	71.8%		
1980	302.9	1.706	-0.7%	-2.9%	-3.2%	2.8%	9.5%	7.7%	16.7%	35.2%	58.5%	70.6%	
1981	328.1	1.847	8.3%	7.5%	5.1%	4.9%	11.4%	18.6%	16.6%	26.4%	46.4%	71.7%	
1982	303.6	1.709	-7.5%	0.2%	-0.5%	-2.7%	-3.0%	3.1%	9.7%	7.9%	17.0%	35.5%	
1984	342.6	1.929	12.8%	4.4%	13.1%	12.3%	9.8%	9.5%	16.3%	23.8%	21.8%	32.0%	
1985	329.7	1.856	-3.8%	8.6%	0.5%	8.8%	8.1%	5.6%	5.4%	11.9%	19.2%	17.2%	
1986	333.9	1.880	1.3%	-2.5%	10.0%	1.8%	10.2%	9.4%	7.0%	6.7%	13.3%	20.7%	
1987	362.3	2.040	8.5%	9.9%	5.8%	19.3%	10.4%	19.6%	18.7%	16.1%	15.8%	23.0%	
1988	356.2	2.006	-1.7%	6.7%	8.0%	4.0%	17.3%	8.6%	17.6%	16.7%	14.1%	13.8%	
1989	328.5	1.850	-7.8%	-9.3%	-1.6%	-0.4%	-4.1%	8.2%	0.1%	8.5%	7.7%	5.3%	
1990	342.4	1.928	4.2%	-3.9%	-5.5%	2.5%	3.9%	-0.1%	12.8%	4.4%	13.0%	12.2%	
1991	311.7	1.755	-9.0%	-5.1%	-12.5%	-14.0%	-6.6%	-5.5%	-9.0%	2.7%	-5.0%	2.9%	
1992	298.2	1.679	-4.3%	-12.9%	-9.2%	-16.3%	-17.7%	-10.7%	-9.6%	-13.0%	-1.8%	-9.1%	
1993	304.0	1.712	1.9%	-2.5%	-11.2%	-7.5%	-14.7%	-16.1%	-9.0%	-7.8%	-11.3%	0.1%	
1994	327.4	1.843	7.7%	9.8%	5.0%	-4.4%	-0.3%	-8.1%	-9.6%	-1.9%	-0.7%	-4.4%	
1995	357.8	2.015	9.3%	17.7%	20.0%	14.8%	4.5%	8.9%	0.4%	-1.2%	7.2%	8.5%	
1996	347.1	1.954	-3.0%	6.0%	14.2%	16.4%	11.4%	1.4%	5.7%	-2.6%	-4.2%	4.0%	
1997	375.2	2.113	8.1%	4.9%	14.6%	23.4%	25.8%	20.4%	9.6%	14.2%	5.3%	3.6%	
1998	403.7	2.273	7.6%	16.3%	12.8%	23.3%	32.8%	35.4%	29.5%	17.9%	22.9%	13.3%	
			Max	17.3%	35.8%	47.2%	58.4%	55.8%	65.9%	76.2%	75.7%	71.8%	71.7%

### Ozone Season Heat Input

WEST VIRGINIA			Period of Maximum Decline									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	177.6	1.000										
1971	191.1	1.076	0									
1972	224.1	1.262	0	0								
1973	259.5	1.461	0	0	0							
1974	281.3	1.584	0	0	0	0						
1975	276.7	1.558	0	0	0	0	0					
1976	294.6	1.659	0	0	0	0	0	0				
1977	312.9	1.762	0	0	0	0	0	0	0			
1978	312.1	1.757	0	0	0	0	0	0	0	0		
1979	305.1	1.718	0	0	0	0	0	0	0	0	0	
1980	302.9	1.706	0	0	0	0	0	0	0	0	0	0
1981	328.1	1.847	0	0	0	0	0	0	0	0	0	0
1982	303.6	1.709	0	0	0	0	0	0	0	0	0	0
1984	342.6	1.929	0	0	0	0	0	0	0	0	0	0
1985	329.7	1.856	0	0	0	0	0	0	0	0	0	0
1986	333.9	1.880	0	0	0	0	0	0	0	0	0	0
1987	362.3	2.040	0	0	0	0	0	0	0	0	0	0
1988	356.2	2.006	0	0	0	0	0	0	0	0	0	0
1989	328.5	1.850	0	0	0	0	0	0	0	0	0	0
1990	342.4	1.928	0	0	0	0	0	0	0	0	0	0
1991	311.7	1.755	1990 - 1991	0	1988 - 1991	0	0	0	0	0	0	0
1992	298.2	1.679	0	1990 - 1992	0	1988 - 1992	1987 - 1992	0	0	1984 - 1992	0	1982 - 1992
1993	304.0	1.712	0	0	0	0	0	1987 - 1993	0	0	1984 - 1993	0
1994	327.4	1.843	0	0	0	0	0	0	1987 - 1994	0	0	0
1995	357.8	2.015	0	0	0	0	0	0	0	0	0	0
1996	347.1	1.954	0	0	0	0	0	0	0	0	0	0
1997	375.2	2.113	0	0	0	0	0	0	0	0	0	0
1998	403.7	2.273	0	0	0	0	0	0	0	0	0	0
		Min	-9.0%	-12.9%	-12.5%	-16.3%	-17.7%	-16.1%	-9.6%	-13.0%	-11.3%	-9.1%

### Ozone Season Heat Input

WEST VIRGINIA			All Periods of Declines									
YEAR	HI_TBtu	HIRatio	1_YR	2_YR	3_YR	4_YR	5_YR	6_YR	7_YR	8_YR	9_YR	10_YR
1970	177.6	1.000										
1971	191.1	1.076	0									
1972	224.1	1.262	0	0								
1973	259.5	1.461	0	0	0							
1974	281.3	1.584	0	0	0	0						
1975	276.7	1.558	1974 - 1975	0	0	0	0					
1976	294.6	1.659	0	0	0	0	0	0				
1977	312.9	1.762	0	0	0	0	0	0	0			
1978	312.1	1.757	1977 - 1978	0	0	0	0	0	0	0		
1979	305.1	1.718	1978 - 1979	1977 - 1979	0	0	0	0	0	0	0	0
1980	302.9	1.706	1979 - 1980	1978 - 1980	1977 - 1980	0	0	0	0	0	0	0
1981	328.1	1.847	0	0	0	0	0	0	0	0	0	0
1982	303.6	1.709	1981 - 1982	0	1979 - 1982	1978 - 1982	1977 - 1982	0	0	0	0	0
1984	342.6	1.929	0	0	0	0	0	0	0	0	0	0
1985	329.7	1.856	1984 - 1985	0	0	0	0	0	0	0	0	0
1986	333.9	1.880	0	1984 - 1986	0	0	0	0	0	0	0	0
1987	362.3	2.040	0	0	0	0	0	0	0	0	0	0
1988	356.2	2.006	1987 - 1988	0	0	0	0	0	0	0	0	0
1989	328.5	1.850	1988 - 1989	1987 - 1989	1986 - 1989	1985 - 1989	1984 - 1989	0	0	0	0	0
1990	342.4	1.928	0	1988 - 1990	1987 - 1990	0	0	1984 - 1990	0	0	0	0
1991	311.7	1.755	1990 - 1991	1989 - 1991	1988 - 1991	1987 - 1991	1986 - 1991	1985 - 1991	1984 - 1991	0	1982 - 1991	0
1992	298.2	1.679	1991 - 1992	1990 - 1992	1989 - 1992	1988 - 1992	1987 - 1992	1986 - 1992	1985 - 1992	1984 - 1992	1983 - 1992	1982 - 1992
1993	304.0	1.712	0	1991 - 1993	1990 - 1993	1989 - 1993	1988 - 1993	1987 - 1993	1986 - 1993	1985 - 1993	1984 - 1993	0
1994	327.4	1.843	0	0	0	1990 - 1994	1989 - 1994	1988 - 1994	1987 - 1994	1986 - 1994	1985 - 1994	1984 - 1994
1995	357.8	2.015	0	0	0	0	0	0	0	1987 - 1995	0	0
1996	347.1	1.954	1995 - 1996	0	0	0	0	0	0	1988 - 1996	1987 - 1996	0
1997	375.2	2.113	0	0	0	0	0	0	0	0	0	0
1998	403.7	2.273	0	0	0	0	0	0	0	0	0	0